

ILLINOIS BENTHIC MACROINVERTEBRATE COLLECTION METHOD COMPARISON AND STREAM CONDITION INDEX REVISION

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Executive Summary

A comparison of benthic macroinvertebrate collection methods was conducted for Illinois Environmental Protection Agency (IEPA) involving the hand-pick method used until 2001 and the newly instituted 20-jab multi-habitat method. IEPA collected samples in the summer of 2001 using both methods at each site and data analysis showed little dissimilarity between the methods. Using the 20-jab method in lieu of the handpick method slightly increased (2.8%) the discrimination ability of the Stream Condition Index (SCI) proposed in 2000 (Tetra Tech 2000). The SCI developed as a preliminary index, based on Illinois' historical data, included only richness metrics.

Another methodological component examined was the addition of a large-rare sort added to the 300-organism subsample to more closely mimic the protocols of the earlier hand-pick method. The extra sort did not add any significant additional information to the 20-jab samples. On average, among least disturbed stations, the large-rare sort revealed 2 additional taxa not found in the 20-jab 300 organism subsample. Addition of the large-rare organisms to the samples did not change the SCI scores and did not affect the discrimination ability of the index.

The second part of the study was to revise the stream condition index based upon the data collected in 2001. The index as developed in 2000 was limited in its scope due to the nature of the sample data. Using the 20-jab multi-habitat method allowed for a wider range of candidate metrics (mostly percent composition metrics). The index was revised to make it more robust. Metrics in the SCI were re-evaluated and standard best values recalculated based on the 2001 study data that improved the sensitivity and discrimination of the overall index.

Stream size (order) and location (e.g., physiographic region or ecoregion) were not examined in this report, pilot study data was too small of a dataset. In earlier examinations of the data (Tetra Tech 2000) it was determined that neither affected sample composition.

Purpose

From 1982 to 2000, the Illinois Environmental Protection Agency (IEPA) used a benthic macroinvertebrate collection method that was primarily a qualitative collection method to identify all taxa at a site. Organisms were collected with a sieve from all available habitats and taxa were sorted in the field until no new taxa were evident to the field collector. All organisms collected were sent to the lab for identification. This method had the potential for bias among collectors due to potential uneven field collection efforts and numbers and types of organisms collected; however, IEPA has a large historical database of data collected as far back as 1982. Because of the potential for investigator bias, taxa richness metrics are the only valid measures using this method.

A more quantitative method was initiated in a pilot study in 2001 that is based on a 20-jab multi-habitat collection along with a 300 organism laboratory subsample. Individual

jab in the multi-habitat collection method are distributed among the habitats in proportion to their occurrence in the sample segment. Some IEPA biologists expressed concerns that the new method would not result in taxa diversity comparable to the previous method. To evaluate these issues, pilot study methods included an additional 15 minute laboratory sort for new taxa after the 300 organisms subsample was removed. This separate information was added to the data analysis.

The pilot study included 135 sites sampled with both methods. The purpose of this study was to test whether the 20-jab method could be used reliably in Illinois and to establish a cross-calibration for comparison of historical data that were sampled exclusively with the older handpick method.

A second objective was to use the pilot data to update the metrics in the Stream Condition Index (SCI). This included re-evaluating the inclusion of percentage metrics in the index and the standard best values used for the metrics in the index.

Methods comparison

The two methods (one with an additional component) are compared in this study: (1) the handpick method (“handpick”), (2a) 20-jab 300 organism subsample (“20jab”), and (2b) 20-jab 300 organisms subsample with an additional sort of large-rare organisms (“20jab+LR”). All analyses were performed on genus level taxonomy. If organisms were identified to species level in a sample, then they were regrouped at the genus level for analysis purposes. We used three measures to assess the methods; 1) total number of taxa collected, 2) variability among sites, and 3) ability to discriminate reference from stressed sites. Samples were, for the most part, evenly distributed among IEPA’s disturbance classes (Table 1).

Table 1. Distribution of pilot study stations sampled with both methods among disturbance ratings.

Disturbance Rating	Disturbance Narrative	Number of Samples
1	Least	19
2	Least	28
3	Intermediate	21
4	Most (habitat)	16
5	Most (chemical)	19
(blank)	Not Rated	32
<i>Grand Total</i>		135

The stream condition index (SCI) that was developed for IEPA taxa richness data (Tetra Tech 2000) was used to evaluate each of the three method’s ability to detect impairment. Discrimination efficiency (DE) is defined here as the percentage of known stressed sites (i.e., most disturbed) that score below the 25th percentile of the best available sites (i.e., least disturbed). Discrimination efficiency is the percentage of stressed sites scored “correctly”. The basic 20-jab method performs better in discriminating stressed from

best available sites than does the handpick method. Adding the large-rare taxa to the 300 organisms from the 20-jab method does not improve the discrimination ability (Table 2).

Table 2. Discrimination efficiency of SCI (2000) for three collection methods.

Method	Number of least disturbed samples	Number of most disturbed samples	25 th percentile of least disturbed sites	Number of most disturbed sites scored correctly	Discrimination Efficiency
20-jab	47	35	56.7	30	85.7
20-jab with large-rare	47	35	59.6	30	85.7
Handpick	47	35	67.2	29	82.9

Some differences were detected among the methods using only 28 taxa richness metrics. The metrics with the largest differences (on average) were Chironomidae taxa, Diptera taxa (which includes Chironomidae), Ephemeroptera taxa, Trichoptera taxa, and total taxa (see Appendix).

To answer concerns on whether the 20-jab method collects the same taxa as the older qualitative handpick method, the total taxa metric was examined within the least disturbed sites using both methods (N=47). There was no significant difference between any of the three methods when examining total taxa (Figure 1). The median number of taxa collected by each of the three methods (20-jab, 20-jab plus large-rare, and handpick) was 35, 37, and 36, respectively. However, the median overall number of unique taxa collected by the two methods (20-jab and handpick) was 52. As stated earlier there are differences in the number of taxa collected by the different methods in the orders Diptera (mostly in the family Chironomidae), Ephemeroptera, and Trichoptera.

Total taxa were further examined to determine the number of taxa that, at a single site, were unique to a particular method (Figure 2). It was determined that the two methods (20-jab and handpick) had more taxa in common (median = 21 taxa) than were unique to each method (medians of 13 and 15, respectively). The issue of unique taxa is one related to rare taxa. If the unique taxa are not very abundant (i.e., constitute less than 5% of the density), then their contribution to the non-richness metrics is negligible. Richness metrics that are subsets of total taxa are more useful here to account for the ecological significance of unique or rare taxa.

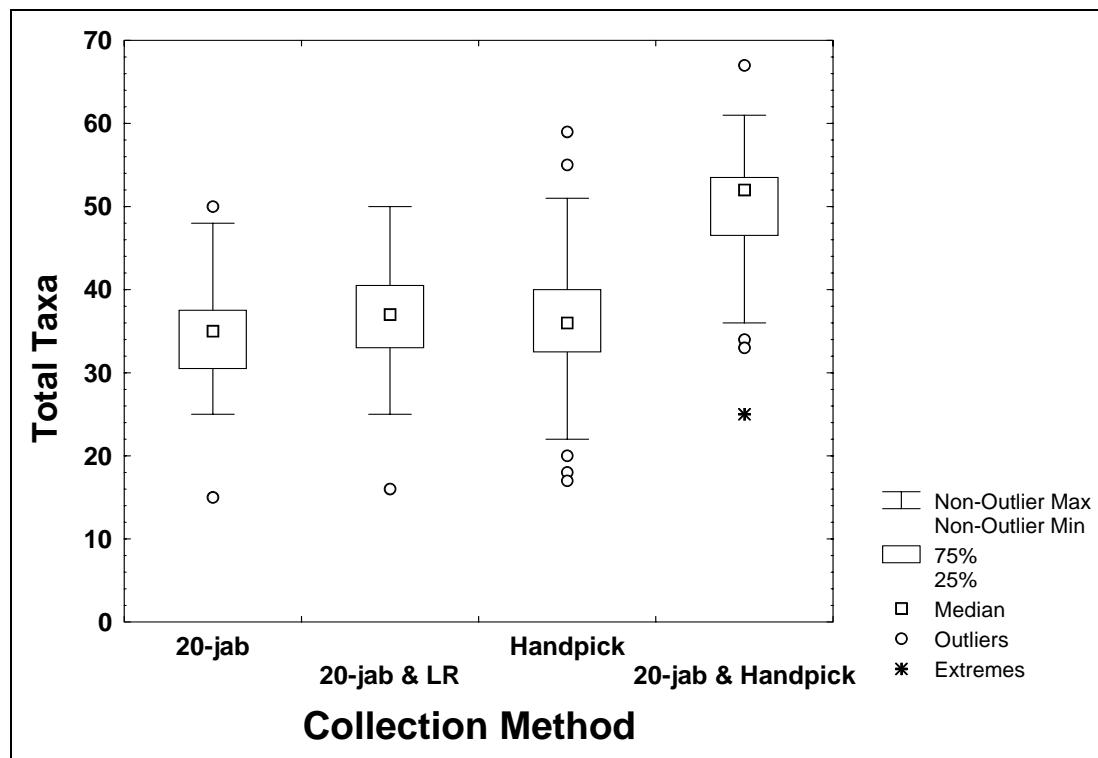


Figure 1. Total taxa by collection method.

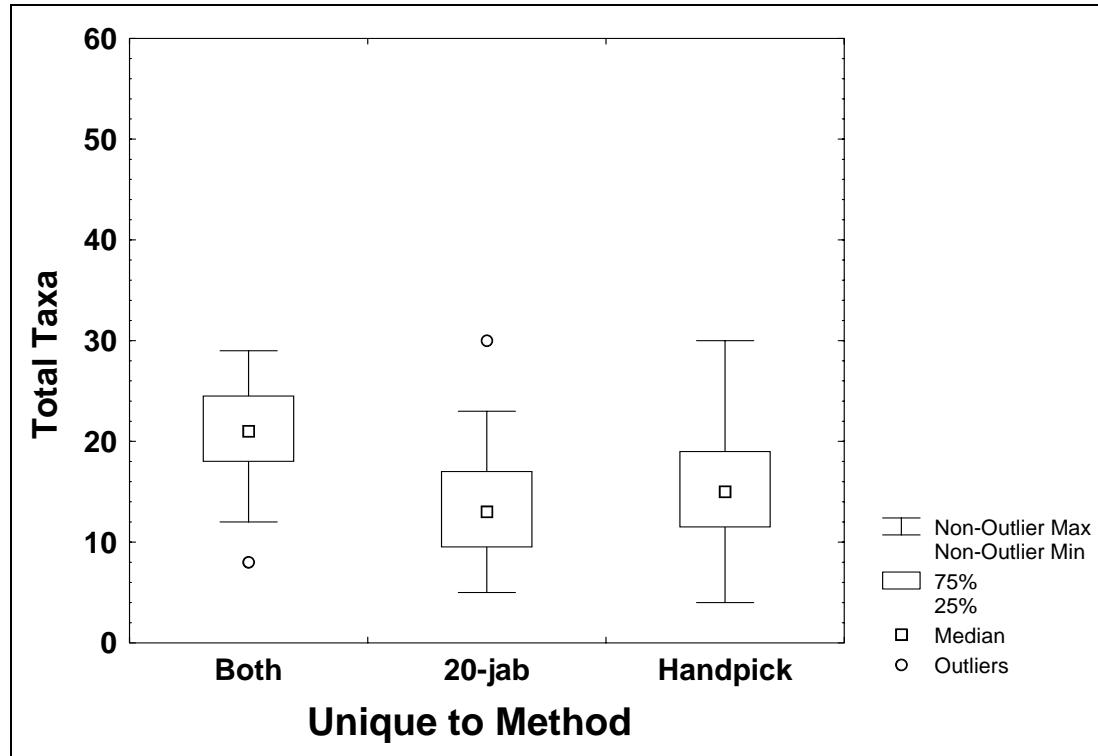


Figure 2. Number of taxa collected unique to each method, and number of taxa common to both methods.

Performance Characteristics

An objective of IEPA was to calculate precision of the 20-jab method. Seven samples were collected with this method in 2002 from sites that had been sampled in 2001. These samples can be used to estimate interannual variability. Estimation of method precision (measurement error) would require replicate samples within a single index period. The seven sites chosen were from a range of disturbance classifications (three least impaired, one intermediate, one most disturbed [predominately chemical], and two not rated). Only the 20-jab method with 300 organism subsort was analyzed here because the large-rare additional sort did not provide additional information.

Variability of the replicated samples is shown in Table 3. Standard deviation was used as an estimate of precision and was at most 9.5 assessment units (Table 3).

Table 3. SCI(2000) scores (0-100 scale) for seven repeat stations. Mean average difference = 9.0. Mean average standard deviation was 6.4.

StationID	Disturbance	2001	2002	Difference	Relative Percent Difference	Standard Deviation
BPG 09	Not rated	78.5	87.2	8.7	10.5	6.2
BPJC06	Most (chemical)	52.7	63.7	11.0	18.9	7.8
BPK 07	Intermediate	77.3	88.6	11.3	13.6	8.0
OL 02	Least	71.0	67.3	3.7	5.4	2.6
OO 01	Least	80.8	67.4	13.4	18.2	9.5
OP 01	Not rated	63.0	72.0	9.0	13.2	6.4
OR 01	Least	48.0	41.6	6.4	14.4	4.5

Benthic Index Revisions

A third objective for the pilot study was to update the Stream Condition Index (SCI) (Table 4). A limitation of the SCI as developed in 2000 was that the old data were not collected to a consistent unit of effort. Only taxa richness could be used from the old data, thus limiting the pool of potential metrics. The inclusion of composition metrics allows for a more robust index due to the increased number of potential metrics. Data used for the index revision were collected during the pilot study (135 samples using the 20-jab method with a 300-organism subsample).

Candidate metrics for the revision were selected from those used in the preliminary index (2000) and an additional 36 percent composition metrics (based on taxonomic groupings, functional feeding groups, habits, and tolerance) (Appendix B).

Table 4. Metrics included in 2000 Stream Condition Index (SCI).

Metric	Group
Coleoptera Taxa	Richness
Ephemeroptera Taxa	Richness
Total Taxa	Richness
Intolerant Taxa	Tolerance
Hilsenhoff Biotic Index	Tolerance
Clinger Taxa	Habit
Predator Taxa	Trophic

Metrics were selected for inclusion in the index based on their ability to discriminate between stressed and reference sites. Other considerations included: a sufficient range of scores to allow for gradations when scored, minimizing redundancy among individual component metrics, and representation among different aspects of the community (taxa richness, species composition, tolerance, feeding groups, and habits).

The ability of a biological metric to *discriminate* between “known” reference conditions and “known” stressed conditions (defined by physical and chemical characteristics) is crucial in the selection of core metrics for assessments.

The selected metrics were standardized on a “best” value: the 95th percentile of the total distribution of all valid samples, for those metrics that decrease in value with perturbation (e.g., total taxa). The 95th percentile was used to eliminate unusual outliers as a scoring standard and to avoid skewing the resultant scores. All scores greater than or equal to the standard best value were assigned a score of 100, those less than the standard were scored as a percentage of the standard:

$$\text{Standardized Score} = \frac{X - X_{\min}}{X_{95} - X_{\min}} * 100,$$

where X is the metric value; X₉₅ is the 95th percentile value; and X_{min} is the minimum possible score (typically 0). An example converting metric values to scores is illustrated in Table 5.

For those selected metrics that increase in value with an increase in perturbation (e.g., Hilsenhoff Biotic Index) the 5th percentile of the entire dataset was used as a standard. All values less than or equal to this standard were assigned a score of 100; and values greater than the standard were assigned scores based on the percentage of the range from the maximum (worst) value to the 5th percentile (best) value:

$$\text{Standardized Score} = \frac{X_{\max} - X}{X_{\max} - X_5} * 100,$$

where X is the metric value; X₅ is the 5th percentile value; and X_{max} is the maximum possible score (e.g., 100 for percentage metrics).

The individual metrics scores are then averaged (each metric is weighted the same) to obtain the final condition index score for a sample. Values closer to 100 are considered optimal. Only samples that exceed the “best” values for all metrics will receive a final value of 100.

Table 5. Metric standardization example for revised SCI (data from Station BN 04, collected July 18, 2001).

Metric	Response to Perturbation	Percentile for "Best" Value	Standard (Best Value)	Measured Metric Value	Standardized Metric Score
Coleoptera Taxa	Decrease	95th	5.0	4	80.0
Ephemeroptera Taxa	Decrease	95th	10.2	9	88.2
Total Taxa	Decrease	95th	46.0	48	100.0
Intolerant Taxa	Decrease	95th	9.0	8	88.9
Hilsenhoff Biotic Index	Increase	5th	4.9	5.7	86.9
Percent Scrapers	Decrease	95th	29.6	14.3	48.3
Percent EPT	Decrease	95th	74.0	40.6	54.9
<i>SCI score</i>					78.2

Of the 7 richness metrics included in the SCI in 2000 (Table 4), two (Clinger Taxa and Predator Taxa) were removed from the index due to poor performance with the pilot study data (discrimination efficiency of less than 50%). These were replaced with two percent composition metrics (Percent EPT and Percent Scrapers). The new index performed comparably to the old SCI with both the older data set (689 hand pick samples) and the pilot study data (158 – 20-jab 300 organism samples) (Table 6).

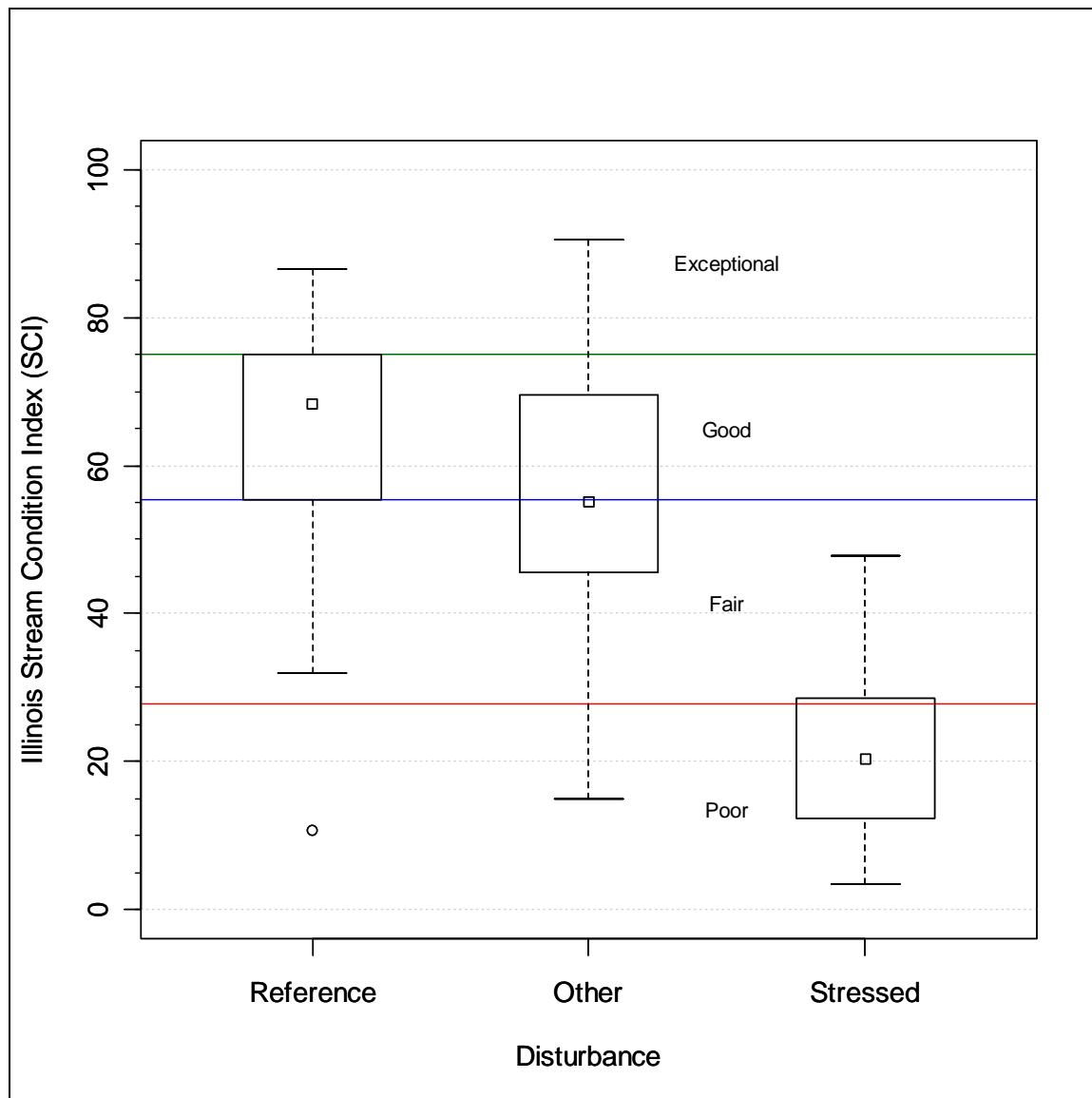
Table 6. Discrimination efficiency (DE) of SCI, 2000 versus 2004.

Data Set	Index		Number of sites	
	2000	2004	Total	Stressed
Original	82.4	79.4	689	102
Pilot	80.0	90.0	158	40

To assign assessment categories, narrative descriptions can be used to describe the numeric score ranges of the index. This allows for translation of a numeric score into an ordinal scale of biological condition that is more easily communicated to managers and the public. It has already been stated that index scores decrease with perturbation, so the narrative categories should communicate a similar naming scheme. The distribution of reference site scores was used to assign four narrative descriptors to the revised SCI (Table 7). The number of categories and descriptors were chosen based on work done in other states but can be changed to accommodate local conditions. The pilot study data scored with the revised SCI is presented in Figure 3 along with reference status and the proposed narrative categories.

Table 7. Revised IL SCI tentative narrative descriptions based upon reference site distribution.

Index Score		Comparison to Reference	Narrative Description
lower boundary	upper boundary		
73.0	100.0	> 75th percentile	Exceptional
52.7	72.9	> 25th percentile	Good
26.4	52.6	bisect 25th percentile (upper)	Fair
0.0	26.3	bisect 25th percentile (lower)	Poor

**Figure 3.** Revised Illinois SCI with tentative narrative categories applied (pilot study data, N=135).

The RIVPACS model was not revisited because the physical habitat data needed for the model were not available.

Conclusions

- The results of the pilot study indicate that using the 20-jab method in lieu of the handpick method slightly increases the discrimination ability of the Stream Condition Index (SCI) proposed in 2000 (discrimination efficiency of 85.7% versus 82.9%). Proportional (percent composition) metrics can be calculated from the 20-jab method because of the standard unit of effort involved (lab sorted 300 organism subsample). Metrics in the SCI were re-evaluated and metrics, as described above, were added and standard best values recalculated based on the Pilot study data that improved the sensitivity and discrimination of the overall index.
- The large-rare extra sort does not add any significant additional information to the 20-jab samples. On average, only 2 additional taxa were found in the large-rare sort (and not found in the 20-jab 300 organism subsample, among least disturbed stations). The SCI scores did not change with the addition of the large-rare organisms and did not affect the discrimination ability of the index.
- The SCI has been updated with data from the Pilot study but the RIVPACS model was not re-run using the same data. To compare the performance of the multi-metric index to the RIVPACS model the Pilot study data should be used in the RIVPACS model and then discrimination efficiencies of the two assessment methods can be compared. Not all of the necessary physical data was available for all of the sites from the Pilot study for this report.

Recommendations

- Collection of replicate samples in future studies to measure not only method precision (same site using the same method in the same year by the same collectors) but also between collectors (same site using the same method in same year by different collectors). This will help evaluate the effectiveness of the method and will provide information on the variability among collectors. There may be some natural variability that might not be separated from collector variability. Thus, most programs collect replicate samples at approximately 10 percent of the total samples collected in a collection period. It is also advisable to have every crew collect replicate samples at a small subset of sites (so estimates of inter-crew variability can be calculated).
- Continue the efforts begun in 2000 to standardize the collection methods among investigators and field offices and to hold periodic (yearly) training courses for all field biologists to ensure future comparability.
- The standard best values for the revised SCI should be updated as more data are collected. More samples will allow for a wider array of ecological conditions both temporally (current standard best values based on data collected in only 2001) and spatially (more sites from a wider range across the state). Refining the reference status of sites (both reference and stressed) can provide a more tightly

defined classes leading to site classifications that are more reflective of conditions.

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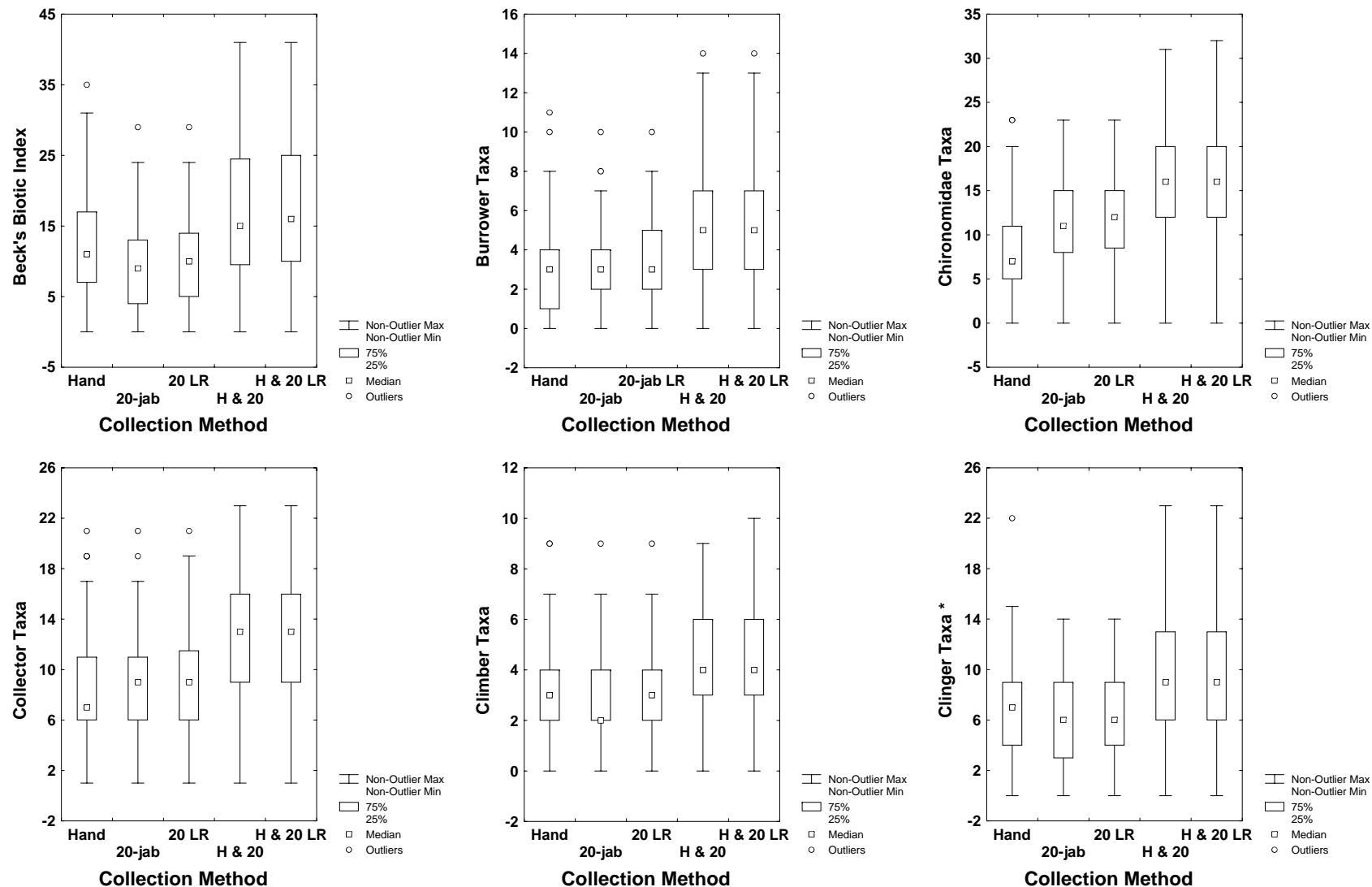
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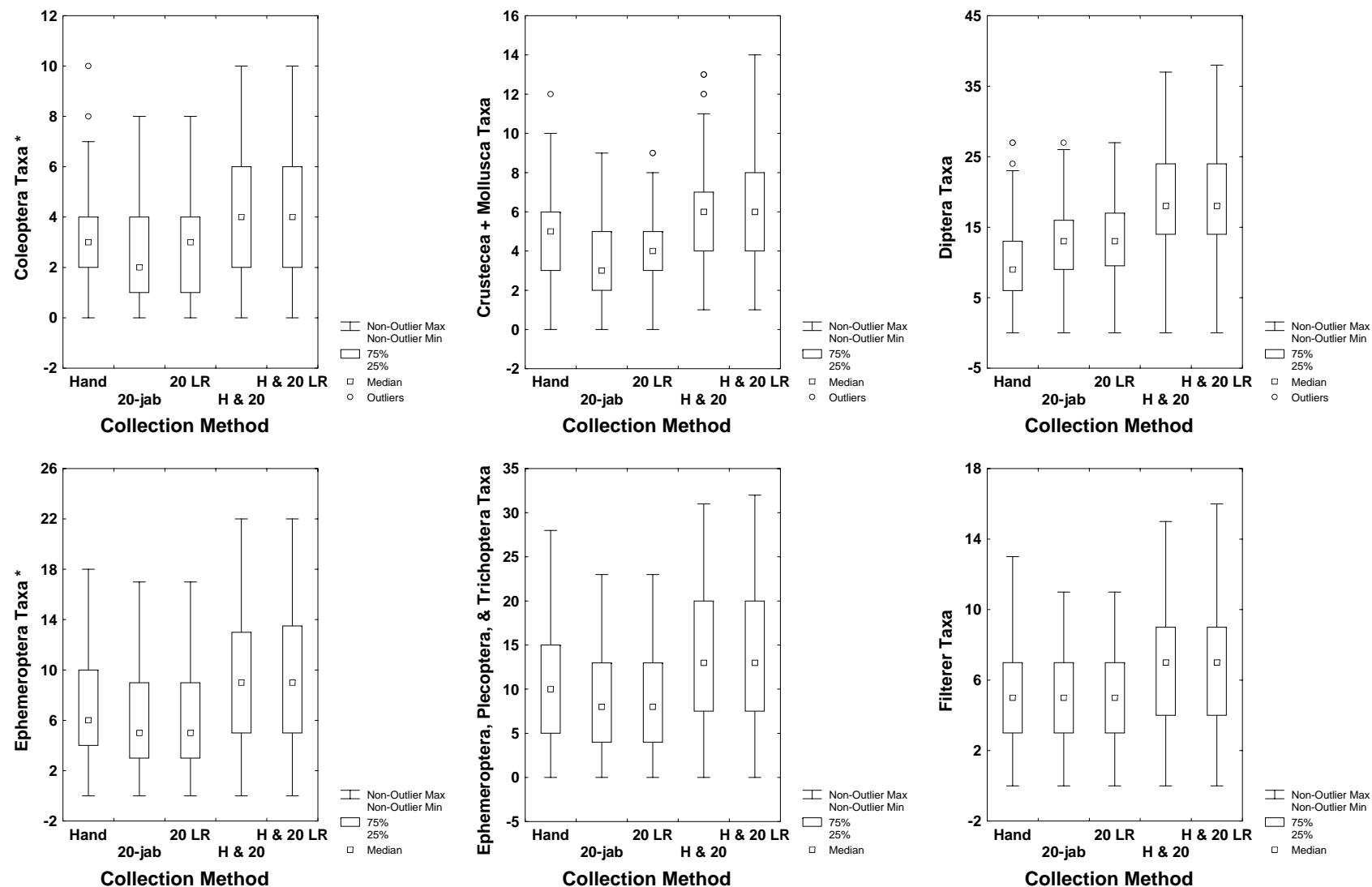
Appendix A - Box and whisker plots of metrics for method comparison

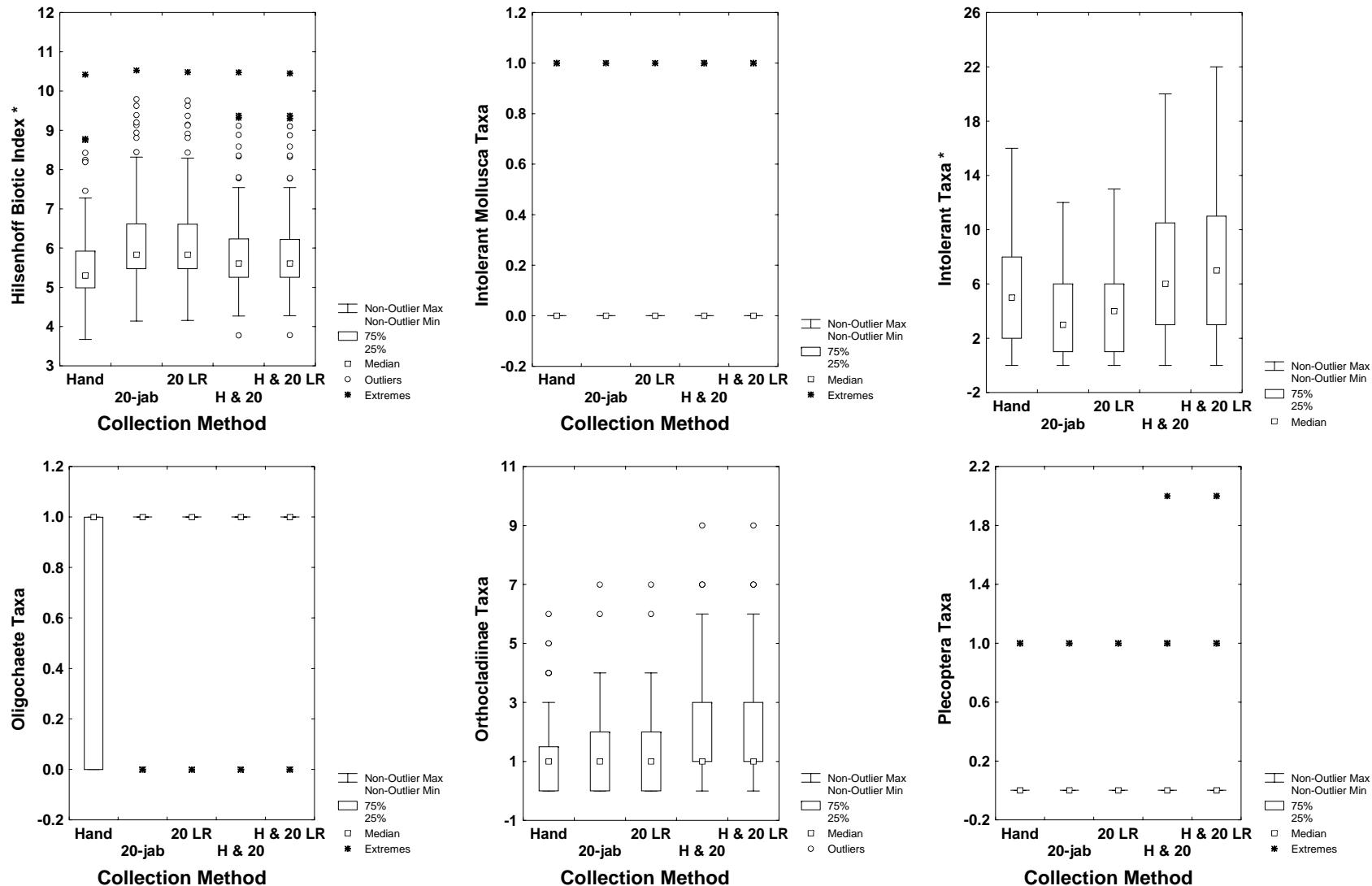
Box and whisker plots of taxa richness metrics. The seven metrics used in the SCI are marked with an asterisk (*).

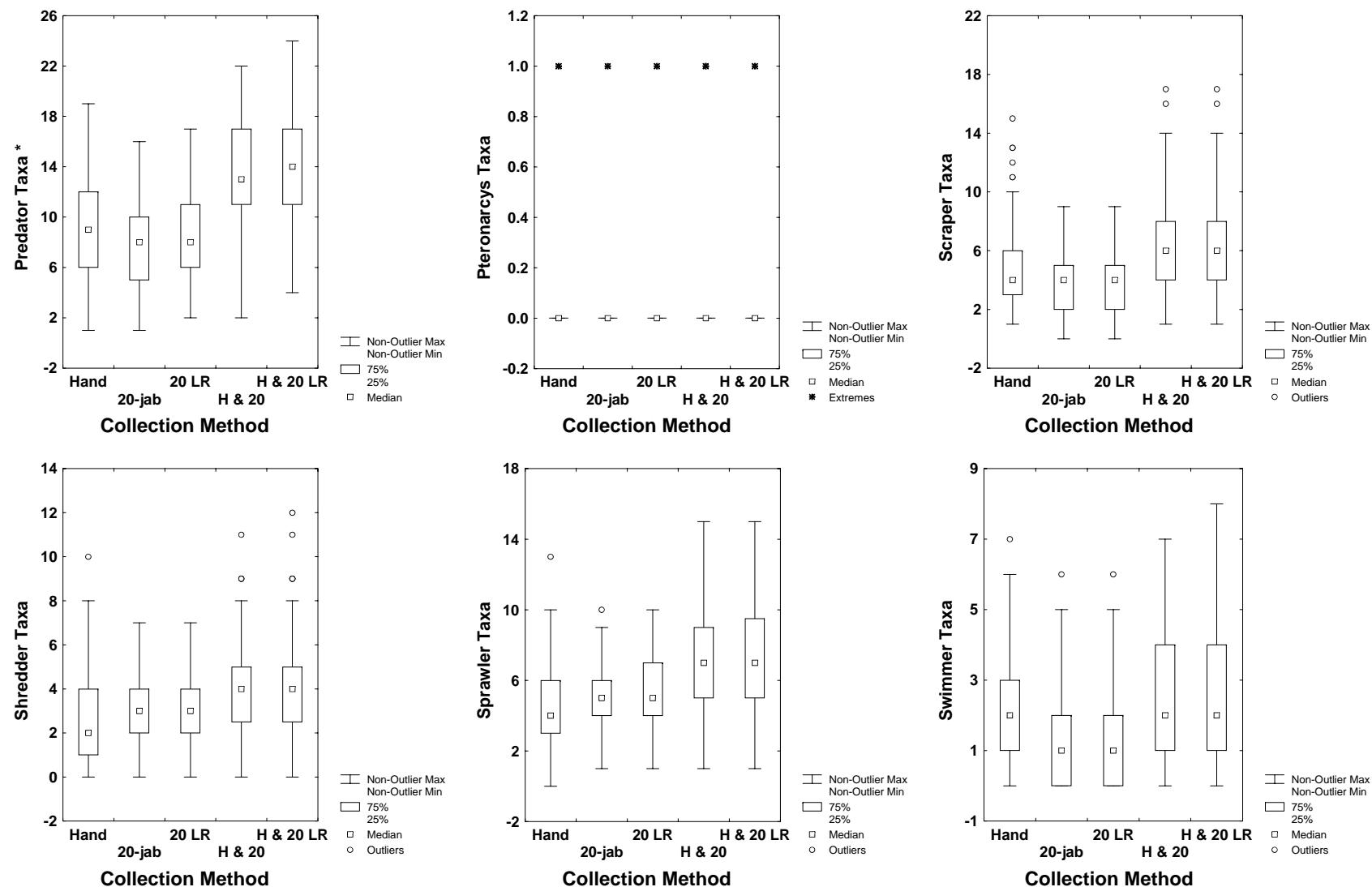
Abbreviations:

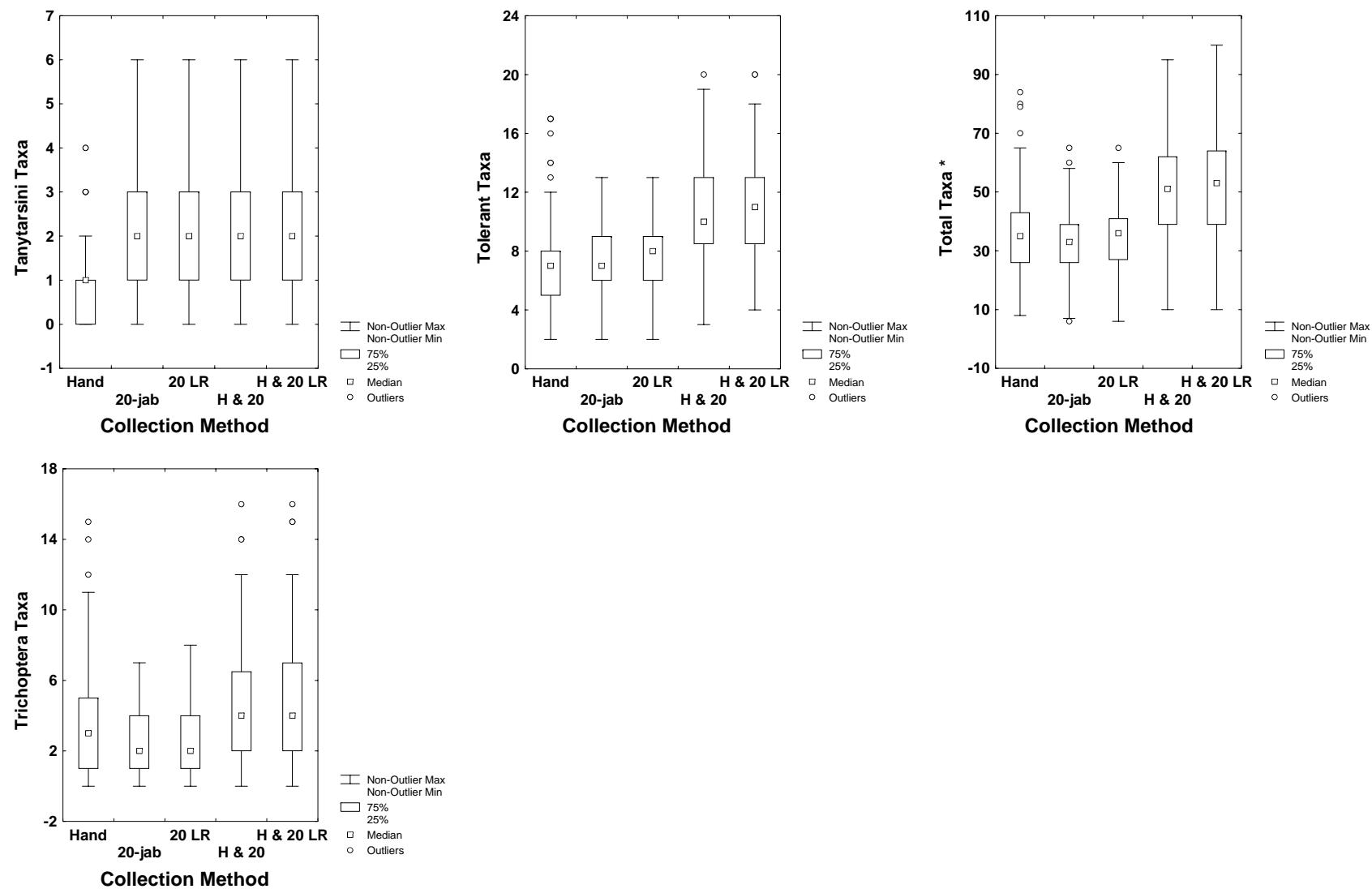
- 20-jab = 20-jab collection method
- 20-jab LR = 20-jab plus large-rare taxa
- Hand = handpick method
- H & 20 = handpick and 20-jab combined
- H & 20 LR = all 3 methods combined

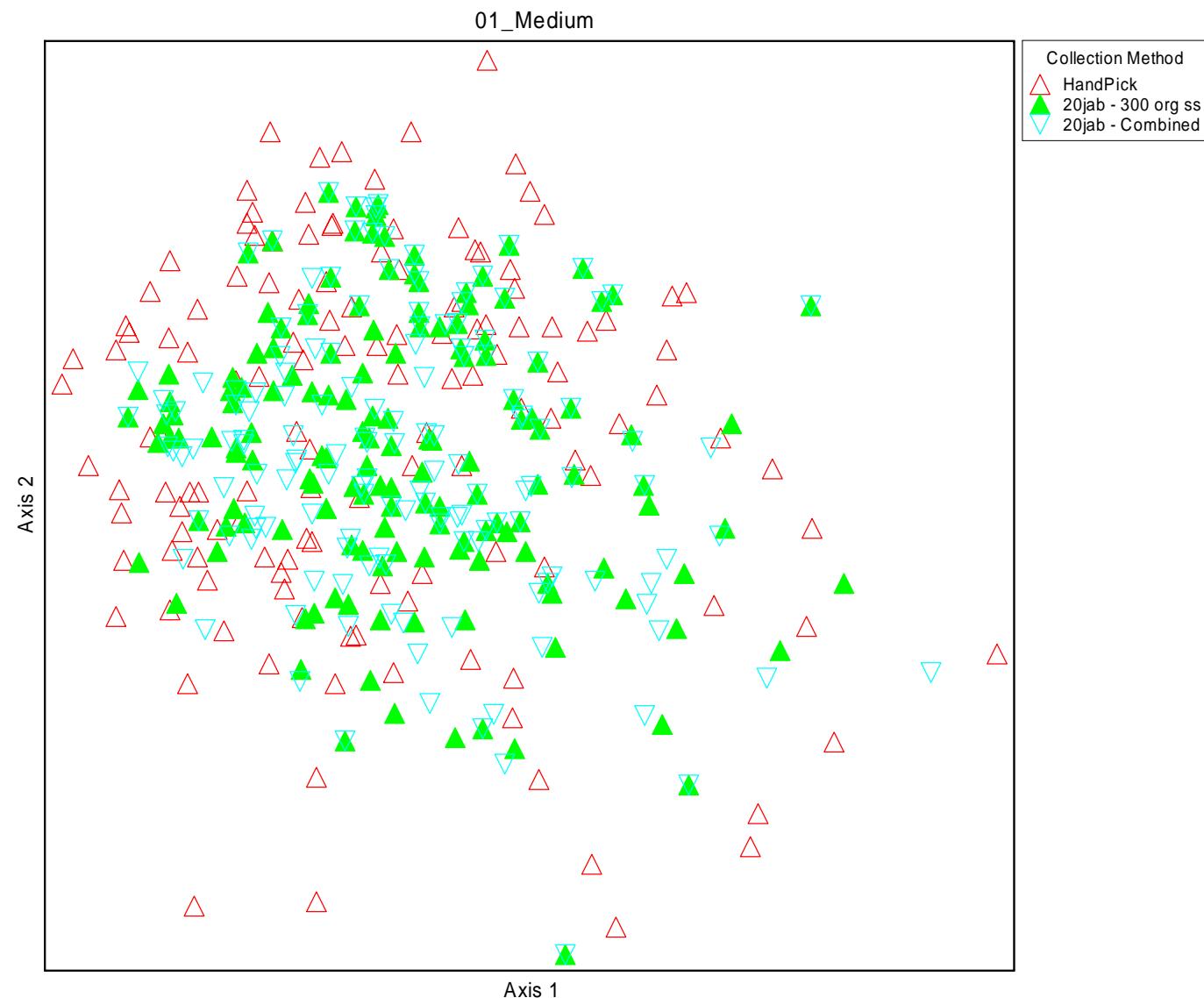












Appendix B – Metrics for index revision

Metric statistics

Reference Sample Statistics (N = 54) (Minimum, Maximum, and Percentiles)								
Metric	Minimum	5th	25th	50th	75th	95th	Maximum	Range
Chironomidae Taxa	4.0	6.0	10.0	12.5	14.0	19.0	20.0	16.0
Coleoptera Taxa	0.0	1.0	2.0	3.0	4.0	5.0	5.0	5.0
Crustacea and Mollusca Taxa	0.0	0.0	2.0	3.0	4.8	6.3	8.0	8.0
Diptera Taxa	5.0	7.0	11.0	14.0	16.0	20.0	24.0	19.0
Ephemeroptera Taxa	0.0	3.0	4.0	5.5	8.8	10.0	12.0	12.0
Ephemeroptera, Plecoptera, and Trichoptera Taxa	1.0	3.0	6.0	9.0	12.0	14.0	15.0	14.0
Oligochaeta Taxa	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
Orthocladiinae Taxa	0.0	0.0	0.0	1.0	2.0	3.0	6.0	6.0
Plecoptera Taxa	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
Pteronarcys Taxa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tanytarsini Taxa	0.0	0.7	2.0	2.0	3.0	5.0	6.0	6.0
Total Taxa	15.0	25.7	29.3	33.0	37.0	44.4	50.0	35.0
Trichoptera Taxa	0.0	0.0	1.0	2.0	3.0	5.0	6.0	6.0
Intolerant Taxa	0.0	1.0	3.0	4.0	6.0	8.3	10.0	10.0
Intolerant Mollusca Taxa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tolerant Taxa	3.0	4.0	6.0	6.0	8.0	9.3	12.0	9.0
Hilsenhoff Biotic Index	4.1	4.5	5.4	5.6	5.9	6.8	9.2	5.0
Beck's Biotic Index	2.0	5.0	7.0	11.0	14.0	18.4	21.0	19.0

Expected Response to Perturbation		
Direction	Percentile	Threshold
Decrease	25	10.0
Decrease	25	2.0
Decrease	25	2.0
Decrease	25	11.0
Decrease	25	4.0
Decrease	25	6.0
variable		
Decrease	25	0.0
Decrease	25	0.0
Decrease	25	0.0
Decrease	25	2.0
Decrease	25	29.3
Decrease	25	1.0
Decrease	25	3.0
Decrease	25	0.0
Decrease	25	6.0
Increase	75	5.9
Decrease	25	7.0

Metric	Reference Sample Statistics (N = 54) (Minimum, Maximum, and Percentiles)								Expected Response to Perturbation
	Minimum	5th	25th	50th	75th	95th	Maximum	Range	
Percent Dominant Taxon	10.4	12.9	17.8	21.4	27.8	53.9	80.2	69.7	Increase 75 27.8
Percent Baetidae of Ephemeroptera	0.0	0.0	4.8	20.1	34.2	74.3	95.0	95.0	Increase 75 34.2
Percent Hydropsychidae of EPT	0.0	0.0	6.8	26.0	57.1	87.1	100.0	100.0	Increase 75 57.1
Percent Hydropsychidae of Trichoptera	0.0	0.0	62.2	93.7	100.0	100.0	100.0	100.0	Increase 75 100.0
Percent Intolerant	0.0	0.4	2.6	4.3	9.2	23.9	56.1	56.1	Decrease 25 2.6
Percent Tolerant	3.7	5.9	12.6	18.8	31.0	42.4	82.8	79.1	Increase 75 31.0
Percent Burrower	0.0	0.0	0.0	0.0	0.0	4.6	8.1	8.1	Increase 75 0.0
Percent Climber	0.0	0.0	0.0	0.0	0.0	3.4	24.7	24.7	Decrease 25 0.0
Percent Clinger	0.0	0.0	0.0	0.0	0.0	37.5	59.2	59.2	Decrease 25 0.0
Percent Sprawler	0.0	0.0	0.0	0.0	0.0	11.9	47.9	47.9	Decrease 25 0.0
Percent Swimmer	0.0	0.0	0.0	0.0	0.0	0.5	4.8	4.8	Decrease 25 0.0
Burrower Taxa	0.0	0.0	0.0	0.0	0.0	4.6	8.1	8.1	variable
Climber Taxa	0.0	0.0	0.0	0.0	0.0	3.3	5.0	5.0	variable
Clinger Taxa	0.0	0.0	0.0	0.0	0.0	9.0	14.0	14.0	Decrease 25 0.0
Sprawler Taxa	0.0	0.0	0.0	0.0	0.0	7.3	10.0	10.0	variable
Swimmer Taxa	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.0	variable
Percent Collector	5.0	9.4	16.4	30.6	43.7	64.4	83.2	78.3	Decrease 25 16.4
Percent Filterer	0.4	3.8	10.2	20.9	33.5	67.0	79.2	78.9	Increase 75 33.5
Percent Predator	1.9	3.2	7.3	10.9	17.1	27.4	48.7	46.8	Decrease 25 7.3
Percent Scraper	0.0	1.4	7.9	13.2	18.6	33.0	44.3	44.3	Decrease 25 7.9
Percent Shredder	0.3	1.0	2.5	4.6	9.8	16.8	35.9	35.6	Decrease 25 2.5
Collector Taxa	2.0	7.7	9.0	11.0	12.8	16.0	18.0	16.0	Decrease 25 9.0
Filterer Taxa	1.0	2.0	4.0	5.0	6.0	9.0	10.0	9.0	Decrease 25 4.0

Reference Sample Statistics (N = 54) (Minimum, Maximum, and Percentiles)								Expected Response to Perturbation			
Metric	Minimum	5th	25th	50th	75th	95th	Maximum	Range	Direction	Percentile	Threshold
Predator Taxa	3.0	5.0	6.3	8.0	10.0	12.0	15.0	12.0	Decrease	25	6.3
Scraper Taxa	0.0	2.0	3.3	5.0	6.0	7.3	9.0	9.0	Decrease	25	3.3
Shredder Taxa	1.0	1.0	2.0	2.5	3.0	5.0	6.0	5.0	Decrease	25	2.0
Shannon Weiner Index (base e)	0.9	2.0	2.4	2.7	2.9	3.1	3.4	2.4	Decrease	25	2.4
Shannon Weiner Index (base 2)	1.4	2.9	3.5	3.9	4.2	4.5	4.9	3.5	Decrease	25	3.5
Shannon Weiner Index (base 10)	0.4	0.9	1.1	1.2	1.3	1.4	1.5	1.1	Decrease	25	1.1
Percent Amphipoda	0.0	0.0	0.0	1.6	5.0	19.7	50.6	50.6	Decrease	25	0.0
Percent Bivalvia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Decrease	25	0.0
Percent Chironomidae	1.7	6.8	12.9	20.5	31.3	69.1	84.3	82.6	Increase	75	31.3
Percent Coleoptera	0.0	0.4	4.1	8.1	14.1	24.9	41.3	41.3	Decrease	25	4.1
Percent Corbicula	0.0	0.0	0.0	0.0	0.0	0.4	2.7	2.7	Increase	75	0.0
Percent Cricotopus and Chironomus of Chironomidae	0.0	0.0	0.0	2.9	6.0	14.9	18.2	18.2	variable		
Percent Crustacea and Mollusca	0.0	0.0	2.5	5.5	16.5	35.9	54.2	54.2	Decrease	25	2.5
Percent Diptera	2.6	7.6	14.1	21.1	32.3	69.1	85.4	82.8	Increase	75	32.3
Percent Ephemeroptera	0.0	4.5	15.0	21.6	34.2	42.8	57.8	57.8	Decrease	25	15.0

Metric	Reference Sample Statistics (N = 54) (Minimum, Maximum, and Percentiles)								Expected Response to Perturbation
	Minimum	5th	25th	50th	75th	95th	Maximum	Range	
Percent Ephemeroptera, Plecoptera, and Trichoptera	0.4	8.2	29.5	40.1	55.7	73.0	87.5	87.1	Decrease 25 29.5
Percent Gastropoda	0.0	0.0	0.0	0.5	1.9	11.2	18.2	18.2	Increase 75 1.9
Percent Isopoda	0.0	0.0	0.0	0.0	0.7	15.6	27.7	27.7	Increase 75 0.7
Percent Non-Insect	0.3	0.7	5.0	10.5	25.2	44.6	86.3	85.9	Increase 75 25.2
Percent Odonata	0.3	0.6	2.3	5.3	7.1	14.9	22.3	21.9	Increase 75 7.1
Percent Oligochaeta	0.0	0.0	0.3	1.5	5.8	16.2	80.2	80.2	Increase 75 5.8
Percent Orthocladiinae of Chironomidae	0.0	0.0	0.0	2.2	5.9	33.6	50.0	50.0	Increase 75 5.9
Percent Plecoptera	0.0	0.0	0.0	0.0	0.0	0.6	10.5	10.5	Decrease 25 0.0
Percent Tanytarsini	0.0	0.2	1.6	3.3	7.9	24.2	43.6	43.6	Decrease 25 1.6
Percent Tanytarsini of Chironomidae	0.0	1.3	10.8	21.0	31.0	54.2	60.9	60.9	Decrease 25 10.8
Percent Trichoptera	0.0	0.0	3.9	10.2	21.2	55.9	76.4	76.4	Decrease 25 3.9

Metric	Reference Sample Statistics (N = 54) (Minimum, Maximum, and Percentiles)								Expected Response to Perturbation
	Minimum	5th	25th	50th	75th	95th	Maximum	Range	
Percent Ephemeroptera, Plecoptera, and Trichoptera (excluding Hydropsychidae and Baetidae)	0.0	1.8	9.8	18.2	29.4	41.0	54.6	54.6	Decrease 25 9.8
Ephemeroptera, Plecoptera, and Trichoptera Taxa (excluding Hydropsychidae and Baetidae)	0.0	2.0	3.0	5.0	7.0	9.0	10.0	10.0	Decrease 25 3.0

Metric Discrimination Efficiencies

Metrics are evaluated on their ability to properly distinguish stressed sites from reference sites. Thresholds calculated in the previous table (based on all reference sites) are compared to data from stressed sites. The number of sites falling beyond the reference threshold (i.e., number of sites properly assessed) is then expressed as a percentage. Higher values are better. A discrimination efficiency of less than or equal to 50 excludes that metric from being included in the index.

Metric	Assessment of Stressed Samples (N=40)	
	Number Correct	Percent Correct
Chironomidae Taxa	26	0.65
Coleoptera Taxa	25	0.63
Crustacea and Mollusca Taxa	11	0.28
Diptera Taxa	26	0.65
Ephemeroptera Taxa	29	0.73
Ephemeroptera, Plecoptera, and Trichoptera Taxa	29	0.73
Oligochaeta Taxa	0	0.00
Orthocladiinae Taxa	0	0.00
Plecoptera Taxa	0	0.00
Pteronarcys Taxa	0	0.00
Tanytarsini Taxa	26	0.65
Total Taxa	35	0.88
Trichoptera Taxa	18	0.45
Intolerant Taxa	30	0.75
Intolerant Mollusca Taxa	0	0.00
Tolerant Taxa	20	0.50
Hilsenhoff Biotic Index	29	0.73
Beck's Biotic Index	28	0.70
Percent Dominant Taxon	30	0.75
Percent Baetidae of Ephemeroptera	15	0.38
Percent Hydropsychidae of EPT	7	0.18
Percent Hydropsychidae of Trichoptera	0	0.00
Percent Intolerant	30	0.75
Percent Tolerant	24	0.60
Percent Burrower	2	0.05
Percent Climber	0	0.00
Percent Clinger	0	0.00
Percent Sprawler	0	0.00
Percent Swimmer	0	0.00
Burrower Taxa		0.00
Climber Taxa		0.00
Clinger Taxa	0	0.00
Sprawler Taxa		0.00

Metric	Assessment of Stressed Samples (N=40)	
	Number Correct	Percent Correct
Swimmer Taxa		0.00
Percent Collector	6	0.15
Percent Filterer	2	0.05
Percent Predator	16	0.40
Percent Scraper	25	0.63
Percent Shredder	17	0.43
Collector Taxa	27	0.68
Filterer Taxa	29	0.73
Predator Taxa	19	0.48
Scraper Taxa	28	0.70
Shredder Taxa	15	0.38
Shannon Weiner Index (base e)	29	0.73
Shannon Weiner Index (base 2)	29	0.73
Shannon Weiner Index (base 10)	29	0.73
Percent Amphipoda	0	0.00
Percent Bivalvia	0	0.00
Percent Chironomidae	14	0.35
Percent Coleoptera	21	0.53
Percent Corbicula	10	0.25
Percent Cricotopus and Chironomus of Chironomidae		0.00
Percent Crustacea and Mollusca	11	0.28
Percent Diptera	14	0.35
Percent Ephemeroptera	27	0.68
Percent Ephemeroptera, Plecoptera, and Trichoptera	32	0.80
Percent Gastropoda	11	0.28
Percent Isopoda	8	0.20
Percent Non-Insect	23	0.58
Percent Odonata	12	0.30
Percent Oligochaeta	24	0.60
Percent Orthocladiinae of Chironomidae	11	0.28
Percent Plecoptera	0	0.00
Percent Tanytarsini	26	0.65
Percent Tanytarsini of Chironomidae	28	0.70
Percent Trichoptera	27	0.68
Percent Ephemeroptera, Plecoptera, and Trichoptera (excluding Hydropsychidae and Baetidae)	29	0.73
Ephemeroptera, Plecoptera, and Trichoptera Taxa (excluding Hydropsychidae and Baetidae)	29	0.73

Correlation matrix of all (26) candidate metrics

Bold = component metric of SCI 2000.

Italics = component metric of revised SCI (2004).

Purple = greater than |0.8|

Orange = greater than |0.75|

	Chironomidae Taxa	<i>Coleoptera Taxa</i>	Diptera Taxa	Ephemeroptera Taxa	Ephemeroptera, Trichoptera, and Plecoptera Taxa	Tanytarsini Taxa	Total Taxa	Intolerant Taxa	Hilsenhoff Biotic Index	Beck's Biotic Index	Percent Dominant Taxon	Percent Intolerant	Percent Tolerant	Percent Scraper	Collector Taxa	Filterer Taxa	Scraper Taxa	Shannon Weiner Index (base e)	Percent Coleoptera	Percent Ephemeroptera	Percent Ephemeroptera, Plecoptera, and Trichoptera	Percent Non-Insects	Percent Oligochaeta	Percent Tanytarsini	Percent Tanytarsini of Chironomidae	Percent Trichoptera				
Chironomidae Taxa	1.00	0.29	0.97	0.26	0.27	0.73	0.67	0.33	-	0.41	-	0.51	0.02	-	0.22	0.03	0.70	0.33	0.25	0.65	0.02	0.14	0.01	-	0.45	0.38	-			
+Coleoptera Taxa	0.29	1.00	0.35	0.52	0.58	0.38	0.68	0.63	-	0.51	0.69	-	0.41	0.35	-	0.39	0.21	0.50	0.51	0.55	0.58	0.35	0.30	0.39	-	0.36	0.39	0.09	0.32	0.25
Diptera Taxa	0.97	0.35	1.00	0.31	0.33	0.75	0.74	0.40	-	0.29	0.49	-	0.55	0.10	-	0.24	0.01	0.72	0.40	0.30	0.70	0.05	0.16	0.04	-	0.38	0.32	0.44	0.41	-
Ephemeroptera Taxa	0.26	0.52	0.31	1.00	0.95	0.47	0.75	0.73	-	0.61	0.83	-	0.50	0.38	-	0.51	0.18	0.66	0.56	0.69	0.66	0.18	0.53	0.55	-	0.55	0.51	0.31	0.53	0.25
Ephemeroptera, Trichoptera, and Plecoptera Taxa	0.27	0.58	0.33	0.95	1.00	0.49	0.78	0.81	-	0.66	0.87	-	0.52	0.45	-	0.53	0.18	0.60	0.71	0.69	0.68	0.21	0.49	0.60	-	0.57	0.53	0.30	0.55	0.37
Tanytarsini Taxa	0.73	0.38	0.75	0.47	0.49	1.00	0.71	0.48	-	0.35	0.57	-	0.53	0.18	-	0.26	0.03	0.65	0.56	0.35	0.66	0.02	0.27	0.19	-	0.43	0.34	0.57	0.64	-
Total Taxa	0.67	0.68	0.74	0.75	0.78	0.71	1.00	0.76	-	0.59	0.89	-	0.68	0.34	-	0.46	0.22	0.81	0.67	0.70	0.88	0.26	0.41	0.36	-	0.49	0.49	0.35	0.56	0.10
Intolerant Taxa	0.33	0.63	0.40	0.73	0.81	0.48	0.76	1.00	-	0.55	0.90	-	0.46	0.50	-	0.40	0.20	0.52	0.61	0.59	0.64	0.22	0.38	0.45	-	0.47	0.38	0.26	0.48	0.25
Hilsenhoff Biotic Index	-	-	-	-	-	-	-	-	1.00	-	0.53	-	0.54	0.81	-	-	0.27	0.47	0.48	0.49	0.61	0.25	0.55	0.65	0.55	0.81	-	0.18	0.41	0.39

	Chironomidae Taxa	Coleoptera Taxa	Diptera Taxa	Ephemeroptera Taxa	Ephemeroptera, Trichoptera, and Plecoptera Taxa	Tanytarsini Taxa	Total Taxa	Intolerant Taxa	Hilsenhoff Biotic Index	Beck's Biotic Index	Percent Dominant Taxon	Percent Intolerant	Percent Tolerant	Percent Scraper	Collector Taxa	Percent Coleoptera	Percent Ephemeroptera	Shannon Weiner Index (base e)	Percent Non-Insects	Percent Oligochaeta	Percent Tanytarsini	Percent Chironomidae	Percent Trichoptera			
Beck's Biotic Index	0.41	0.69	0.49	0.83	0.87	0.57	0.89	0.90	-0.60	1.00	-0.57	0.44	-0.44	0.26	0.65	0.65	0.69	0.76	0.25	0.44	0.47	-0.50	-0.43	0.29	0.54	0.22
Percent Dominant Taxon	-0.51	-0.41	-0.55	-0.50	-0.52	-0.53	-0.68	-0.46	0.53	-0.57	1.00	-0.23	0.40	-0.28	0.52	0.47	-0.52	0.92	-0.24	0.24	-0.18	0.49	0.53	-0.33	0.39	-0.01
Percent Intolerant	0.02	0.35	0.10	0.38	0.45	0.18	0.34	0.50	-0.54	0.44	-0.23	1.00	-0.31	0.22	0.20	0.38	0.38	0.31	0.24	0.21	0.33	-0.19	0.30	-0.01	0.17	0.25
Percent Tolerant	-0.22	0.39	0.24	0.51	0.53	0.26	-0.46	0.40	0.81	-0.44	0.40	-0.31	1.00	-0.04	0.39	0.35	0.37	0.46	0.09	0.45	0.54	0.56	0.82	-0.19	0.35	0.32
Percent Scraper	-0.03	0.21	-0.01	0.18	0.18	0.03	0.22	0.20	-0.27	0.26	-0.28	0.04	1.00	0.09	0.12	0.33	0.30	0.48	0.19	0.14	-0.09	0.26	0.05	0.10	0.00	
Collector Taxa	0.70	0.50	0.72	0.66	0.60	0.65	0.81	0.52	-0.47	0.65	-0.52	0.20	-0.39	0.09	1.00	0.34	0.44	0.70	0.21	0.40	0.25	-0.38	0.41	0.29	0.42	-0.06
Filterer Taxa	0.33	0.51	0.40	0.56	0.71	0.56	0.67	0.61	-0.48	0.65	-0.47	0.38	-0.35	0.12	0.34	1.00	0.48	0.59	0.10	0.23	0.44	-0.43	0.37	0.38	0.60	0.41
Scraper Taxa	0.25	0.55	0.30	0.69	0.69	0.35	0.70	0.59	-0.49	0.69	-0.52	0.38	-0.37	0.33	0.44	0.48	1.00	0.65	0.26	0.36	0.33	-0.31	0.35	0.11	0.30	0.10
Shannon Weiner Index (base e)	0.65	0.58	0.70	0.66	0.68	0.66	0.88	0.64	-0.61	0.76	-0.92	0.31	-0.46	0.30	0.70	0.59	0.65	1.00	0.27	0.32	0.26	-0.53	0.56	0.40	0.51	0.04
Percent Coleoptera	0.02	0.35	0.05	0.18	0.21	0.02	0.26	0.22	-0.25	0.25	-0.24	0.24	-0.09	0.48	0.21	0.10	0.26	0.27	1.00	0.02	0.01	-0.07	0.14	-0.18	0.01	0.02
Percent Ephemeroptera	0.14	0.30	0.16	0.53	0.49	0.27	0.41	0.38	-0.55	0.44	-0.24	0.21	-0.45	0.19	0.40	0.23	0.36	0.32	0.02	1.00	0.74	-0.48	0.41	0.06	0.37	0.04
Percent Ephemeroptera, Plecoptera, and Trichoptera	0.01	0.39	0.04	0.55	0.60	0.19	0.36	0.45	-0.65	0.47	-0.18	0.33	-0.54	0.14	0.25	0.44	0.33	0.26	0.01	0.74	1.00	-0.64	0.52	0.07	0.39	0.70

	Chironomidae Taxa	Coleoptera Taxa	Diptera Taxa	Ephemeroptera Taxa	Ephemeroptera, Trichoptera, and Plecoptera Taxa	Tanytarsini Taxa	Total Taxa	Intolerant Taxa	Hilsenhoff Biotic Index	Beck's Biotic Index	Percent Dominant Taxon	Percent Intolerant	Percent Tolerant	Percent Scraper	Collector Taxa	Filterer Taxa	Scraper Taxa	Shannon Weiner Index (base e)	Percent Coleoptera	Percent Ephemeroptera	Percent Ephemeroptera, Plecoptera, and Trichoptera	Percent Non-Insects	Percent Oligochaeta	Percent Tanytarsini	Percent Tanytarsini of Chironomidae	Percent Trichoptera											
Percent Non-Insects	-	-	-	-	-	-	0.55	0.55	-	0.50	0.49	-	0.19	0.56	-	0.09	0.38	0.43	-	0.31	-	0.53	0.07	0.48	0.64	1.00	0.74	-	0.39	-	0.46	0.45					
Percent Oligochaeta	-	-	-	-	-	-	0.51	0.53	0.34	0.49	0.38	0.81	-	0.43	0.53	-	0.30	0.82	-	0.26	-	0.41	0.37	-	0.35	0.56	0.14	0.41	0.52	0.74	1.00	-	-	-	0.28	0.36	0.33
Percent Tanytarsini	0.45	0.09	0.44	0.31	0.30	0.57	0.35	0.26	-	0.18	0.29	-	0.33	0.01	0.19	-	0.05	0.29	0.38	0.11	0.40	-	0.18	0.06	0.07	-	0.39	0.28	1.00	0.77	0.04						
Percent Tanytarsini of Chironomidae	0.38	0.32	0.41	0.53	0.55	0.64	0.56	0.48	-	0.41	0.54	-	0.39	0.17	-	0.35	0.10	0.42	0.60	0.30	0.51	0.01	0.37	0.39	-	0.46	0.36	0.77	1.00	0.19							
Percent Trichoptera	-	0.15	0.25	-	0.25	0.37	-	0.01	0.10	0.25	-	0.39	0.22	-	0.01	0.25	-	0.32	0.00	-	0.41	0.10	0.04	-	0.02	0.04	0.70	-	-	0.45	0.33	0.04	0.19	1.00			

Appendix C – Benthics master taxa list

TSN = Taxonomic Serial Number

TV = Tolerance Value

FFG = Functional Feeding Group

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
HIRUDINEA	69290	ANNELIDA	HIRUDINEA				8	IL EPA	Predator	RBP2 1999		
HIRUDINIDAE	69407	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE		8	IL EPA	Predator			
HAEMOPIS	69408	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	HAEMOPIS	7	IL EPA	Predator	USEPA, 1990		
HAEMOPIS MARMORATA	69412	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	HAEMOPIS	7	IL EPA				
HAEMOPIS TERRESTRIS	69415	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	HAEMOPIS	7	IL EPA				
MACROBDELLA	69418	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	MACROBDELLA	7	IL EPA				
MACROBDELLA DECORA	69419	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	MACROBDELLA	7	IL EPA				
PHILOBDELLA	69423	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	PHILOBDELLA	7	IL EPA				
PHILOBDELLA GRACILIS	69425	ANNELIDA	HIRUDINEA	GNATHOBDELLIDA	HIRUDINIDAE	PHILOBDELLA	7	IL EPA	Predator	USEPA 1990 Draft		
ERPOBDELLIDAE	69438	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE		8	IL EPA	Predator			
DINA DUBIA	69441	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	DINA	8	IL EPA				
DINA PARVA	69440	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	DINA	8	IL EPA				
DINA	69439	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	DINA	8	IL EPA	Predator			
ERPOBDELLA	69444	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	ERPOBDELLA	8	IL EPA				
ERPOBDELLA PUNCTATA	69445	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	ERPOBDELLA	8	IL EPA	Predator	USEPA 1990 Draft		
MOOREOBDELLA	69449	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	MOOREOBDELLA	8	IL EPA	Predator			
MOOREOBDELLA FERVIDA	69451	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	MOOREOBDELLA	8	IL EPA				
MOOREOBDELLA MICROSTOMA	69450	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	MOOREOBDELLA	8	IL EPA	Predator	USEPA 1990 Draft		
NEPHELOPSIS	69455	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	NEPHELOPSIS	8	IL EPA				
NEPHELOPSIS OBSCURA	69456	ANNELIDA	HIRUDINEA	PHARYNGOBDELLIDAE	ERPOBDELLIDAE	NEPHELOPSIS	8	IL EPA	Predator	RBP2 1999		
RHYNCHOBDELLI DA	69295	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA			8	IL EPA				
GLOSSIPHONIIDAE	69357	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDAE		8	IL EPA	Predator			
ACTINOBDELLA INEQUIANNULATA	69386	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDAE	ACTINOBDELLA	8	IL EPA				
ACTINOBDELLA	69384	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDAE	ACTINOBDELLA	8	IL EPA				
ALBOGLOSSIPHONIA HETEROCLITA	69389	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDAE	ALBOGLOSSIPHONIA	8	IL EPA	Predator	RBP2 1999		

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
ALBOGLOSSIPHONIA	69388	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	ALBOGLOSSIPHONIA	8	IL EPA				
BATRACOBDELLA PICTA	69362	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	BATRACOBDELLA	8	IL EPA				
BATRACOBDELLA PHALERA	69374	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	BATRACOBDELLA	8	IL EPA				
BATRACOBDELLA	69358	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	BATRACOBDELLA	8	IL EPA	Predator	USEPA, 1990		
GLOSSIPHONIA	69380	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	GLOSSIPHONIA	8	IL EPA	Predator	USEPA, 1990		
GLOSSIPHONIA COMPLANATA	69381	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	GLOSSIPHONIA	8	IL EPA	Predator	RBP2 1999		
HELOBDELLA PAPILLATA	69403	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	HELOBDELLA	8	IL EPA	Predator	USEPA 1990 Draft		
HELOBDELLA	69396	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	HELOBDELLA	8	IL EPA	Parasite			
HELOBDELLA STAGNALIS	69398	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	HELOBDELLA	8	IL EPA	Predator	RBP2 1999		
HELOBDELLA FUSCA	69401	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	HELOBDELLA	8	IL EPA	Parasite	RBP2 1999		
HELOBDELLA ELONGATA	69397	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	HELOBDELLA	8	IL EPA	Predator	RBP2 1999		
HELOBDELLA TRISERIALIS	69399	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	HELOBDELLA	8	IL EPA	Parasite	RBP2 1999		
PLACOBDELLA MONTIFERA	69368	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA	Predator	USEPA 1990 Draft		
PLACOBDELLA PEDICULATA	69371	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA				
PLACOBDELLA PARASITICA	69365	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA	Parasite	RBP2 1999		
PLACOBDELLA PAPILLIFERA	69364	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA	Parasite	RBP2 1999		
PLACOBDELLA ORNATA	69366	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA	Predator	USEPA 1990 Draft		
PLACOBDELLA	69363	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA	Predator			
PLACOBDELLA MULTILINEATA	69367	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	PLACOBDELLA	8	IL EPA	Predator	RBP2 1999		
THEROMYZON	69375	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	THEROMYZON	8	IL EPA	Predator			
THEROMYZON BIANNULATUM	69376	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDA E	THEROMYZON	8	IL EPA				
PISCICOLIDAE	69296	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE		7	IL EPA				
CYSTOBRANCHUS	69339	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	CYSTOBRANCHUS	7	IL EPA				

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CYSTOBRANCHUS VERRILLI	69342	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	CYSTOBRANCHUS	7	IL EPA				
MYZOBDELLA	69315	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	MYZOBDELLA	7	IL EPA				
MYZOBDELLA LUGUBRIS	69316	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	MYZOBDELLA	7	IL EPA	Predator	RBP2 1999		
PISCICOLA	69304	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	PISCICOLA	7	IL EPA	Predator			
PISCICOLA MILNERI	69308	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	PISCICOLA	7	IL EPA	Predator	USEPA 1990 Draft		
PISCICOLA PUNCTATA	69306	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	PISCICOLA	7	IL EPA	Predator	USEPA 1990 Draft		
PISCICOLARIA	69337	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	PISCICOLARIA	7	IL EPA				
PISCICOLARIA REDUCTA	69338	ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	PISCICOLIDAE	PISCICOLARIA	7	IL EPA				
ANNELIDA	64357	ANNELIDA	HYDROZOA	HYDROIDA	HYDRIDAE		8	IL EPA	Collector			
OLIGOCHAETA	68422	ANNELIDA	OLIGOCHAE TA				10	IL EPA	Collector	Arizona DEQ		
BRANCHIOBDELLIDA	69168	ANNELIDA	OLIGOCHAE TA	BRANCHIOBDELLIDA			10	IL EPA	Parasite			
BRANCHIOBDELLIDAE	69169	ANNELIDA	OLIGOCHAE TA	BRANCHIOBDELLIDA	BRANCHIOBDELLIDAE		10	IL EPA	Collector			
HAPLOTAXIDA	68498	ANNELIDA	OLIGOCHAE TA	HAPLOTAXIDA			10	IL EPA				
AELOSOMATIDA E	68423	ANNELIDA	OLIGOCHAE TA	HAPLOTAXIDA	AELOSOMATIDA E		10	IL EPA	Filterer	USEPA, 1990		
ENCHYTRAEIFAE	68510	ANNELIDA	OLIGOCHAE TA	HAPLOTAXIDA	ENCHYTRAEIFAE		10	IL EPA	Collector			
LUMBRICIDAE	69165	ANNELIDA	OLIGOCHAE TA	HAPLOTAXIDA	LUMBRICIDAE		10	IL EPA	Collector			
LUMBRICULIDA	68439	ANNELIDA	OLIGOCHAE TA	LUMBRICULIDA			10	IL EPA				
LUMBRICULIDAE	68440	ANNELIDA	OLIGOCHAE TA	LUMBRICULIDA	LUMBRICULIDAE		10	IL EPA	Collector			
NAIDIDAE	68854	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE		10	IL EPA	Collector			
ALLONAIAS PECTINATA	68970	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	ALLONAIAS	10	IL EPA				
ALLONAIAS	68967	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	ALLONAIAS	10	IL EPA	Collector			
AMPHICHAETA LEYDIGI	68980	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	AMPHICHAETA	10	IL EPA				
AMPHICHAETA	68979	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	AMPHICHAETA	10	IL EPA	Collector	USEPA, 1990		
ARCTEONAIAS	68975	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	ARCTEONAIAS	10	IL EPA				

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ARCTEONAIIS LOMONDI	68976	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	ARCTEONAIIS	10	IL EPA	Collector	USEPA 1990 Draft		
BRATISLAVIA UNIDENTATA	69023	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	BRATISLAVIA	10	IL EPA	Collector	RBP2 1999		
BRATISLAVIA	69021	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	BRATISLAVIA	10	IL EPA	Collector			
CHAETOGASTER DIASTROPHUS	68938	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	CHAETOGASTER	10	IL EPA	Predator	USEPA 1990 Draft		
CHAETOGASTER LIMNAEI	68943	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	CHAETOGASTER	10	IL EPA	Predator	USEPA 1990 Draft		
CHAETOGASTER DIAPHANUS	68935	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	CHAETOGASTER	10	IL EPA	Predator	USEPA 1990 Draft		
CHAETOGASTER	68934	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	CHAETOGASTER	10	IL EPA	Shredder			
DERO PECTINATA	68923	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	DERO	10	IL EPA	Collector	RBP2 1999		
DERO	68898	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	DERO	10	IL EPA	Collector			
DERO DIGITATA	68904	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	DERO	10	IL EPA	Collector	RBP2 1999		
DERO FURCATA	68912	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	DERO	10	IL EPA	Collector	RBP2 1999		
DERO LODENI	68924	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	DERO	10	IL EPA	Collector	RBP2 1999		
DERO NIVEA	68900	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	DERO	10	IL EPA	Collector	RBP2 1999		
NAIS ELINGUIS	68952	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	RBP2 1999		
NAIS BARBATA	68947	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	USEPA 1990 Draft		
NAIS BEHNINGI	68949	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	RBP2 1999		
NAIS BRETSCHERI	68961	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	USEPA 1990 Draft		
NAIS PARDALIS	68954	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	RBP2 1999		
NAIS COMMUNIS	68950	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	RBP2 1999		
NAIS SIMPLEX	68957	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	RBP2 1999		
NAIS VARIABILIS	68959	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	RBP2 1999		

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NAIS	19837 5	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	NAIS	10	IL EPA	Collector	USEPA, 1990		
OPHIDONAIIS	68995	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	OPHIDONAIIS	10	IL EPA				
OPHIDONAIIS SERPENTINA	68996	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	OPHIDONAIIS	10	IL EPA	Collector	USEPA 1990 Draft		
PARANAIS FRICI	68865	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PARANAIS	10	IL EPA				
PARANAIS	68862	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PARANAIS	10	IL EPA				
PRISTINA SYNCLITES	68895	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA	Collector	RBP2 1999		
PRISTINA AEQUISETA	68879	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA	Collector	RBP2 1999		
PRISTINA LEIDYI	68894	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA	Collector	RBP2 1999		
PRISTINA BREVISETA	68880	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA	Collector	RBP2 1999		
PRISTINA	68876	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA	Collector			
PRISTINA LONGISETA	68883	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA				
PRISTINA OSBORNI	68887	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	PRISTINA	10	IL EPA	Collector	RBP2 1999		
SLAVINA APPENDICULATA	68856	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	SLAVINA	10	IL EPA	Collector	RBP2 1999		
SLAVINA	68855	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	SLAVINA	10	IL EPA	Collector			
SPECARIA	68984	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	SPECARIA	10	IL EPA	Collector			
SPECARIA JOSINAE	68985	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	SPECARIA	10	IL EPA	Collector	RBP2 1999		
STEPHENSONIAN A	69017	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	STEPHENSONIANA	10	IL EPA				
STEPHENSONIAN A TRIVANDRANA	69018	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	STEPHENSONIANA	10	IL EPA	Collector	RBP2 1999		
STYLARIA	68871	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	STYLARIA	10	IL EPA				
STYLARIA FOSSULARIS	68873	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	STYLARIA	10	IL EPA	Collector	RBP2 1999		
STYLARIA LACUSTRIS	68872	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	STYLARIA	10	IL EPA	Collector	RBP2 1999		
UNCINAIS UNCINATA	68990	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	UNCINAIS	10	IL EPA				
UNCINAIS	68989	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	UNCINAIS	10	IL EPA				
VEJDovskyella	69015	ANNELIDA	OLIGOCHAE	TUBIFICIDA	NAIDIDAE	VEJDovskyella	10	IL EPA	Collector	USEPA		

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INTERMEDIA			TA							1990 Draft		
VEJDovskyella	69009	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	VEJDovskyella	10	IL EPA	Collector	USEPA, 1990		
WAPSA MOBILIS	68866	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	WAPSA	10	IL EPA				
WAPSA	68859	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	NAIDIDAE	WAPSA	10	IL EPA				
TUBIFICIDAE	68585	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE		10	IL EPA	Collector			
AULODRILUS PIGUETI	68680	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	AULODRILUS	10	IL EPA	Collector	RBP2 1999		
BRANCHIURA	89404	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	BRANCHIURA	10	IL EPA	Collector	USEPA, 1990		
BRANCHIURA SOWERBYI	68621	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	BRANCHIURA	10	IL EPA	Collector	RBP2 1999		
ILYODRILUS TEMPLETONI	68662	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	ILYODRILUS	10	IL EPA	Collector	RBP2 1999		
ILYODRILUS	68660	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	ILYODRILUS	10	IL EPA				
LIMNODRILUS CLAPAREDIANUS	68654	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	LIMNODRILUS	10	IL EPA	Collector	USEPA 1990 Draft		
LIMNODRILUS	68638	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	LIMNODRILUS	10	IL EPA	Collector			
LIMNODRILUS CERVIX	68652	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	LIMNODRILUS	10	IL EPA	Collector	USEPA 1990 Draft		
LIMNODRILUS HOFFMEISTERI	68639	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	LIMNODRILUS	10	IL EPA	Collector	RBP2 1999		
LIMNODRILUS UDEKEMIANUS	68644	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	LIMNODRILUS	10	IL EPA	Collector	RBP2 1999		
POTAMOTHRIX VEJDovskyi	68790	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	POTAMOTHRIX	10	IL EPA				
QUISTRADRILUS MULTISETOSUS	68794	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	QUISTRADRILUS	10	IL EPA	Collector	RBP2 1999		
TUBIFEX	68622	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	TUBIFEX	10	IL EPA	Collector			
TUBIFEX TUBIFEX	68623	ANNELIDA	OLIGOCHAE TA	TUBIFICIDA	TUBIFICIDAE	TUBIFEX	10	IL EPA	Collector	RBP2 1999		
ARTHROPODA	82696	ARTHROPOD A						IL EPA				
AMPHIPODA	93294	ARTHROPOD A	CRUSTACEA	AMPHIPODA			4	IL EPA	Collector			
GAMMARIDAE	93745	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE		4	IL EPA	Collector	Arizona DEQ		
BACTRURUS	93957	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	BACTRURUS	1	IL EPA				

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CRANGONYX PACKARDI	95087	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	CRANGONYX	4	IL EPA				
CRANGONYX PSEUDOGRACILI S	95082	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	CRANGONYX	4	IL EPA				
CRANGONYX FORBESI	95085	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	CRANGONYX	4	IL EPA	Collector	USEPA 1990 Draft		
CRANGONYX	95081	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	CRANGONYX	4	IL EPA	Collector			
CRANGONYX MINOR	95091	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	CRANGONYX	4	IL EPA				
CRANGONYX GRACILIS	95086	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	CRANGONYX	4	IL EPA	Collector	USEPA 1990 Draft		
GAMMARUS TROGLOPHILUS	93793	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	GAMMARUS	3	IL EPA				
GAMMARUS PSEUDOLIMNAEUS	93790	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	GAMMARUS	3	IL EPA	Collector	USEPA 1990 Draft		
GAMMARUS	93773	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	GAMMARUS	3	IL EPA		RBP2 1999		
GAMMARUS FASCIATUS	93780	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	GAMMARUS	3	IL EPA	Collector	RBP2 1999		
STYGOBROMUS	93861	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	Stygobromus	4	IL EPA	Predator	USEPA, 1990		
STYGOBROMUS SUBTILIS	93933	ARTHROPOD A	CRUSTACEA	AMPHIPODA	GAMMARIDAE	Stygobromus	4	IL EPA				
HYALELLIDAE	94022	ARTHROPOD A	CRUSTACEA	AMPHIPODA	TALITRIDAE		4	IL EPA				
HYALELLA AZTECA	94026	ARTHROPOD A	CRUSTACEA	AMPHIPODA	TALITRIDAE	HYALELLA	5	IL EPA	Collector	RBP2 1999		
HYALELLA	94025	ARTHROPOD A	CRUSTACEA	AMPHIPODA	TALITRIDAE	HYALELLA	5	IL EPA	Collector			
DECAPODA	95599	ARTHROPOD A	CRUSTACEA	DECAPODA			4	IL EPA	Shredder			
CAMBARIDAE	97336	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE		5	IL EPA	Collector			
CAMBARELLUS	97618	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARELLUS	5	IL EPA	Shredder	USEPA, 1990		
CAMBARELLUS PUER	97623	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARELLUS	5	IL EPA	Collector	USEPA 1990 Draft		
CAMBARELLUS SHUFELDTII	97625	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARELLUS	5	IL EPA	Collector	USEPA 1990 Draft		
CAMBARUS TENEBROSUS	97411	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARUS	5	IL EPA				

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CAMBARUS DIOGENES	97338	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARUS	5	IL EPA				
CAMBARUS	97337	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARUS	5	IL EPA	Collector	USEPA, 1990		
CAMBARUS RUSTICIFORMIS	97401	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	CAMBARUS	5	IL EPA				
FALLICAMBARUS	97603	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	FALLICAMBARUS	5	IL EPA				
FALLICAMBARUS FODIENS	97608	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	FALLICAMBARUS	5	IL EPA				
ORCONECTES RUSTICUS	97424	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES	97421	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA		USEPA 1990 Draft		
ORCONECTES ILLINOIENSIS	97445	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES IMMUNIS	97446	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES INDIANENSIS	97448	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES KENTUCKIENSIS	97452	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES LANCIFER	97453	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES PROPINQUUS	97473	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES STANNARDI	97484	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES VIRILIS	97425	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES BISECTUS	97430	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
ORCONECTES PLACIDUS	97472	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	ORCONECTES	5	IL EPA				
PROCAMBARUS VIAEVIRIDIS	97575	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	PROCAMBARUS	5	IL EPA				
PROCAMBARUS	97490	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	PROCAMBARUS	5	IL EPA	Shredder	USEPA, 1990		
PROCAMBARUS ACUTUS	97492	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	PROCAMBARUS	5	IL EPA	Shredder	RBP2 1999		
PROCAMBARUS CLARKI		ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	PROCAMBARUS	5	IL EPA				
PROCAMBARUS GRACILIS	97518	ARTHROPOD A	CRUSTACEA	DECAPODA	CAMBARIDAE	PROCAMBARUS	5	IL EPA				
PALAEOMONIDAE	96213	ARTHROPOD A	CRUSTACEA	DECAPODA	PALAEOMONIDAE		4	IL EPA				
PALAEOMONETES	96396	ARTHROPOD	CRUSTACEA	DECAPODA	PALAEOMONIDAE	PALAEOMONETES	4	IL EPA		RBP2		

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
KADIAKENSIS		A								1999		
PALAEEMONETES	96383	ARTHROPOD A	CRUSTACEA	DECAPODA	PALAEMONIDAE	PALAEMONETES	4	IL EPA				
ISOPODA	92120	ARTHROPOD A	CRUSTACEA	ISOPODA			6	IL EPA	Collector	Arizona DEQ		
ASELLIDAE	92657	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE		6	IL EPA	Collector			
CAECIDOTEA SPATULATA	92773	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA COMMUNIS	56881 9	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA	Collector	RBP2 1999		
CAECIDOTEA INTERMEDIA	92711	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA PACKARDI	92757	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA STYgia	92776	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA TRIDENTATA	92778	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA KENDEIGHI	92745	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA FORBESI	92701	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA BREVICAUDUS		ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA				
CAECIDOTEA	92686	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	CAECIDOTEA	6	IL EPA	Collector			
LIRCEUS LOUISIANAE	92677	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	LIRCEUS	4	IL EPA				
LIRCEUS LINEATUS	92671	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	LIRCEUS	4	IL EPA	Collector	USEPA 1990 Draft		
LIRCEUS GARMANI	92672	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	LIRCEUS	4	IL EPA	Collector	USEPA 1990 Draft		
LIRCEUS	92666	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	LIRCEUS	4	IL EPA	Collector			
LIRCEUS FONTINALIS	92668	ARTHROPOD A	CRUSTACEA	ISOPODA	ASELLIDAE	LIRCEUS	4	IL EPA	Collector	USEPA 1990 Draft		
CRUSTACEA	83677	ARTHROPOD A	CRUSTACEA	VENEROIDA	PISIDIIDAE		4	IL EPA	Collector			
INSECTA	99208	ARTHROPOD A	INSECTA					IL EPA				
COLEOPTERA	10921 6	ARTHROPOD A	INSECTA	COLEOPTERA			4	IL EPA	Predator	Arizona DEQ		
CURCULIONIDAE	11466 6	ARTHROPOD A	INSECTA	COLEOPTERA	CURCULIONIDAE			IL EPA	Shredder		Clinge r,	

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
											Climber, Sprawler, Burrower	
LISTRONOTUS	114690	ARTHROPOD A	INSECTA	COLEOPTERA	CURCULIONIDAE	LISTRONOTUS		IL EPA	Filterer			
DRYOPIDAE	113999	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE		4	IL EPA	Shredder	Arizona DEQ	Burrower	
HELICHUS FASTIGIATUS	114013	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE	HELICHUS	4	IL EPA				
HELICHUS STRIATUS	114017	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE	HELICHUS	4	IL EPA				
HELICHUS	114006	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE	HELICHUS	4	IL EPA	Shredder	Arizona DEQ	Clinger	Merritt and Cummins, 1996
HELICHUS LITHOPHILUS	114009	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE	HELICHUS	4	IL EPA				
PELONOMUS	114001	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE	PELONOMUS	4	IL EPA	Collector	Merritt et al., 1996	Climber	Merritt and Cummins, 1996
PELONOMUS OBSCURUS	114004	ARTHROPOD A	INSECTA	COLEOPTERA	DRYOPIDAE	PELONOMUS	4	IL EPA				
DYTISCIDAE	111963	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE			IL EPA	Predator	Merritt and Cummins, 1996	Clinger, Swimmer	Merritt and Cummins, 1996
ACILIUS SEMISULCATUS	112075	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	ACILIUS		IL EPA				
ACILIUS	112074	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	ACILIUS		IL EPA	Predator	Merritt and Cummins, 1996	Swimmer	Merritt and Cummins, 1996
ACILIUS FRATERNUS	112076	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	ACILIUS		IL EPA				
AGABETES	112072	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	AGABETES		IL EPA	Predator		Swimmer	
AGABUS	111966	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	AGABUS		IL EPA	Predator		Swimmer	Merritt and Cummins, 1996
AGABUS AMBIGUUS	111976	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	AGABUS		IL EPA				
AGABUS DISINTEGRATUS	111978	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	AGABUS		IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
BIDESSONOTUS	11231 9	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	BIDESSONOTUS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
BIDESSONOTUS INCONSPICUUS	11232 0	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	BIDESSONOTUS		IL EPA				
CELINA HUBBELLI	11213 8	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	CELINA		IL EPA				
CELINA	11213 6	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	CELINA		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
COPELATUS	11256 1	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	COPELATUS		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
COPELATUS GLYPHICUS	11256 3	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	COPELATUS		IL EPA				
COPELATUS CHEVROLATI	11256 4	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	COPELATUS		IL EPA				
COPTOTOMUS	11237 1	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	COPTOTOMUS		IL EPA	Predator	USEPA, 1990	Swim mer	Merritt and Cummins , 1996
CYBISTER	11236 4	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	CYBISTER		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
CYBISTER FIMBRIOLATUS	11236 7	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	CYBISTER		IL EPA				
DERONECTES	11215 3	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	DERONECTES		IL EPA	Predator		Swim mer	
DYTISCUS	11211 8	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	DYTISCUS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
DYTISCUS HYBRIDUS	11212 5	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	DYTISCUS		IL EPA				
HYDATICUS	11217 2	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDATICUS		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
HYDATICUS MODESTUS	11217 3	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDATICUS		IL EPA				
HYDROPORUS NIGER	11241 2	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROPORUS		IL EPA				
HYDROPORUS RUFILABRIS	11240 6	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROPORUS		IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
HYDROPORUS CONSIMILUS	11239 2	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROPORUS		IL EPA				
HYDROPORUS CLYPEALIS	11240 1	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROPORUS		IL EPA				
HYDROPORUS VITTATIPENNIS	11240 9	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROPORUS		IL EPA				
HYDROPORUS	11239 0	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROPORUS		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
HYDROVATUS PUSTULATUS	11225 9	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROVATUS		IL EPA	Predator	RBP2 1999		
HYDROVATUS	11225 7	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYDROVATUS		IL EPA	Predator	Merritt and Cummins , 1996		
HYGROTUS	11220 0	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	HYGROTUS		IL EPA	Predator	USEPA, 1990	Swim mer	Merritt and Cummins , 1996
ILYBIUS	11218 1	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	ILYBIUS		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
ILYBIUS BIGUTTULUS	11218 5	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	ILYBIUS		IL EPA				
LACCOPHILUS FASCIATUS	11228 1	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	LACCOPHILUS		IL EPA	Predator	RBP2 1999		
LACCOPHILUS MACULOSUS	11227 9	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	LACCOPHILUS		IL EPA				
LACCOPHILUS PROXIMUS	11228 5	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	LACCOPHILUS		IL EPA	Predator	RBP2 1999		
LACCOPHILUS	11227 8	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	LACCOPHILUS		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
LACCORNIS	11227 0	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	LACCORNIS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer, Clinge r	Merritt and Cummins , 1996
LIODESSUS	11258 0	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	LIODESSUS		IL EPA	Predator	USEPA, 1990	Swim mer	Merritt and Cummins , 1996
MATUS	11230 3	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	MATUS		IL EPA	Predator	USEPA, 1990	Swim mer	
MATUS BICARINATUS	11230 4	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	MATUS		IL EPA				

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RHANTUS BINOTATUS	11208 9	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	RHANTUS		IL EPA				
RHANTUS	11208 6	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	RHANTUS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
THERMONECTUS ORNATICOLLIS	11211 5	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	THERMONECTUS		IL EPA				
THERMONECTUS BASILLARIS	11211 3	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	THERMONECTUS		IL EPA	Predator	RBP2 1999	Swim mer	RBP2 1999
THERMONECTUS	11210 9	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	THERMONECTUS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer, Climber	Merritt and Cummins , 1996
UVARUS	11257 5	ARTHROPOD A	INSECTA	COLEOPTERA	DYTISCIDAE	UVARUS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
ELMIDAE	11409 3	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE		5	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996
ANCYRONYX VARIEGATA		ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	ANCYRONYX	2	IL EPA	Collector	USEPA 1990 Draft		
ANCYRONYX	11419 3	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	ANCYRONYX	2	IL EPA		RBP2 1999	Clinger	
DUBIRAPHIA VITTATA	11413 1	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	DUBIRAPHIA	7	IL EPA		RBP2 1999	Clinger	RBP2 1999
DUBIRAPHIA QUADRINOTATA	11413 0	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	DUBIRAPHIA	7	IL EPA		RBP2 1999		
DUBIRAPHIA MINIMA	11413 3	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	DUBIRAPHIA	5	IL EPA				
DUBIRAPHIA BIVITTATA	11412 9	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	DUBIRAPHIA	2	IL EPA		RBP2 1999		
DUBIRAPHIA	11412 6	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	DUBIRAPHIA	5	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996
MACRONYCHUS	11421 2	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	MACRONYCHUS	2	IL EPA		RBP2 1999	Clinger	Merritt and Cummins , 1996
MACRONYCHUS GLABRATUS	11421 3	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	MACRONYCHUS	2	IL EPA		RBP2 1999	Clinger	RBP2 1999
MICROCYLLOEPU S	11414 6	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	MICROCYLLOEPU S	2	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996

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MICROCYLLOEPUS PUSILLUS	114147	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	MICROCYLLOEPUS	2	IL EPA	Collector	RBP2 1999		
OPTIOSERVUS FASTIDITUS	114190	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	OPTIOSERVUS	4	IL EPA	Scraper	RBP2 1999		
OPTIOSERVUS OVALIS	114185	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	OPTIOSERVUS	4	IL EPA	Scraper	USEPA 1990 Draft		
OPTIOSERVUS	114177	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	OPTIOSERVUS	4	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
OPTIOSERVUS TRIVITTATUS	114186	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	OPTIOSERVUS	4	IL EPA	Scraper	USEPA 1990 Draft		
PROMORESIA	114229	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	PROMORESIA	5	IL EPA	Scraper		Clinger	
STENELMIS VITTIPENNIS	114115	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	6	IL EPA		RBP2 1999	Clinger	RBP2 1999
STENELMIS SEXLINEATA	114113	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	USEPA 1990 Draft		
STENELMIS MUSGRAVEI	114111	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	USEPA 1990 Draft		
STENELMIS MERA	114109	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	USEPA 1990 Draft		
STENELMIS MARKELI	114108	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	RBP2 1999		
STENELMIS LATERALIS	114107	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	USEPA 1990 Draft		
STENELMIS DECORATA	114104	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	RBP2 1999		
STENELMIS CRENATA	114102	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA		RBP2 1999		
STENELMIS BICARINATA	114100	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper	USEPA 1990 Draft		
STENELMIS	114095	ARTHROPOD A	INSECTA	COLEOPTERA	ELMIDAE	STENELMIS	7	IL EPA	Scraper		Clinger	Merritt and Cummins , 1996
GYRINIDAE	112653	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE				Predator	Merritt and Cummins , 1996	Swimmer	Merritt and Cummins , 1996
DINEUTUS ASSIMILIS	112714	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE	DINEUTUS	4	IL EPA	Predator	USEPA 1990		

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DINEUTUS DISCOLOR	11271 3	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE	DINEUTUS	4	IL EPA	Predator	USEPA 1990 Draft		
DINEUTUS	11271 1	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE	DINEUTUS	4	IL EPA	Predator	Arizona DEQ	Swimmer	Merritt and Cummins , 1996
GYRINUS AENEOLUS	11266 1	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE	GYRINUS	4	IL EPA	Predator	RBP2 1999		
GYRINUS	11265 4	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE	GYRINUS	4	IL EPA	Predator	Arizona DEQ	Swimmer	Merritt and Cummins , 1996
GYRINUS ANALIS	11266 3	ARTHROPOD A	INSECTA	COLEOPTERA	GYRINIDAE	GYRINUS	4	IL EPA				
HALIPLIDAE	11185 7	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE			IL EPA	Shredder	Merritt and Cummins , 1996	Climber, Swimmer	Merritt and Cummins , 1996
HALIPLUS	11185 8	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	HALIPLUS		IL EPA	Macrophyte Herbivore	Arizona DEQ	Climber	Merritt and Cummins , 1996
HALIPLUS PANTHERINUS	11187 4	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	HALIPLUS		IL EPA				
HALIPLUS FASCIATUS	11187 2	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	HALIPLUS		IL EPA	Shredder	RBP2 1999	Climber	RBP2 1999
HALIPLUS IMMACULICOLLIS	11188 3	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	HALIPLUS		IL EPA				
HALIPLUS TRIOPSIS	11187 7	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	HALIPLUS		IL EPA				
HALIPLUS LEOPARDUS	11187 3	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	HALIPLUS		IL EPA				
PELTODYTES SEXMACULATUS	11193 2	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	PELTODYTES		IL EPA				
PELTODYTES LENGI	11192 8	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	PELTODYTES		IL EPA				
PELTODYTES DUNAVANI	11192 5	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	PELTODYTES		IL EPA				
PELTODYTES DUODECIMPUNTATUS	11192 6	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	PELTODYTES		IL EPA				
PELTODYTES	11192 3	ARTHROPOD A	INSECTA	COLEOPTERA	HALIPLIDAE	PELTODYTES		IL EPA	Shredder	Arizona DEQ	Climber	Merritt and Cummins , 1996
HYDROPHILIDAE	11281	ARTHROPOD	INSECTA	COLEOPTERA	HYDROPHILIDAE			IL EPA	Predator	Arizona	Swim	Barbour

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
	1	A								DEQ	mer, Diver	et al., 1999
ANACAENA LIMBATA	11288 1	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ANACAENA		IL EPA				
ANACAENA	11287 8	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ANACAENA		IL EPA			Burro wer	Merritt and Cummins , 1996
BEROSUS PEREGRINUS	11282 4	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	BEROSUS		IL EPA				
BEROSUS INFUSCATUS	11281 6	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	BEROSUS		IL EPA				
BEROSUS FRATERNUS	11281 5	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	BEROSUS		IL EPA				
BEROSUS	11281 2	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	BEROSUS		IL EPA	Predator	Arizona DEQ	Swim mer	Merritt and Cummins , 1996
BEROSUS PUGNAX	11282 7	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	BEROSUS		IL EPA				
BEROSUS STRIATUS	11282 1	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	BEROSUS		IL EPA	Collector	USEPA 1990 Draft	Climbe r	RBP2 1999
CRENITIS	11322 0	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	CRENITIS		IL EPA	Predator		Burro wer	
CYMBIODYTA	11301 7	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	CYMBIODYTA		IL EPA	Collector	USEPA, 1990	Burro wer	Merritt and Cummins , 1996
CYMBIODYTA CHAMBERLAINI	11302 6	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	CYMBIODYTA		IL EPA				
CYMBIODYTA SEMISTRIATA	11302 5	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	CYMBIODYTA		IL EPA				
CYMBIODYTA VINDICATA	11302 3	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	CYMBIODYTA		IL EPA				
ENOCHRUS	11297 3	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA	Collector	Barbour et al., 1999	Burro wer	Merritt and Cummins , 1996
ENOCHRUS CINCTUS	11298 3	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				
ENOCHRUS CONSORTUS	11298 9	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				
ENOCHRUS HAMILTONI	11298 4	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				
ENOCHRUS OCHRACEUS	11299 0	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				
ENOCHRUS	11299	ARTHROPOD	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				

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PERPLEXUS	1	A										
ENOCHRUS PYGMAEUS	11299 3	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				
ENOCHRUS SAYI	11299 2	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	ENOCHRUS		IL EPA				
HELOCOMBUS	11314 8	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HELOCOMBUS		IL EPA				
HELOPHORUS	11310 6	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HELOPHORUS		IL EPA	Shredder		Swim mer, Diver	Barbour et al., 1999
HYDROBIUS	11319 6	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HYDROBIUS		IL EPA	Predator		Climbe r	Merritt and Cummins , 1996
HYDROBIUS FUSCIPES	11319 9	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HYDROBIUS		IL EPA				
HYDROCHARA	11319 0	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HYDROCHARA		IL EPA	Collector	USEPA, 1990	Swim mer, Climbe r	Merritt and Cummins , 1996
HYDROCHUS	11316 6	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HYDROCHUS		IL EPA	Shredder	USEPA, 1990	Climbe r	Merritt and Cummins , 1996
HYDROPHILUS	11320 4	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	HYDROPHILUS		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
LACCOBIUS MINUTOIDES	11286 5	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	LACCOBIUS		IL EPA				
LACCOBIUS AGILIS	11285 9	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	LACCOBIUS		IL EPA				
LACCOBIUS	11285 8	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	LACCOBIUS		IL EPA	Predator			
PARACYMUS SUBCUPREUS	11291 0	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	PARACYMUS		IL EPA				
PARACYMUS	11290 9	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	PARACYMUS		IL EPA	Predator		Burro wer	Merritt and Cummins , 1996
TROPISTERNUS LATERALIS	11294 4	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	TROPISTERNUS		IL EPA	Collector	USEPA 1990 Draft		
TROPISTERNUS MIXTUS	11294 7	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	TROPISTERNUS		IL EPA				
TROPISTERNUS BLATCHLEYI	11295 1	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	TROPISTERNUS		IL EPA				
TROPISTERNUS	11293	ARTHROPOD	INSECTA	COLEOPTERA	HYDROPHILIDAE	TROPISTERNUS		IL EPA	Predator		Climbe	Merritt

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	8	A									r	and Cummins , 1996
TROPISTERNUS NATATOR	11294 8	ARTHROPOD A	INSECTA	COLEOPTERA	HYDROPHILIDAE	TROPISTERNUS		IL EPA				
PSEPHENIDAE	11406 9	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE			4 IL EPA	Scraper	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
DICRANOPSELAP HUS	11409 1	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE	DICRANOPSELAPHUS	4	IL EPA	Scraper	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
ECTOPRIA	11408 7	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE	ECTOPRIA	4	IL EPA	Scraper		Clinger	
ECTOPRIA NERVOSA	11408 8	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE	ECTOPRIA	4	IL EPA	Scraper	RBP2 1999	Clinger	RBP2 1999
ECTOPRIA THORACICA	11409 0	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE	ECTOPRIA	4	IL EPA				
PSEPHENUS	11407 0	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE	PSEPHENUS	4	IL EPA	Scraper	Arizona DEQ	Clinger	
PSEPHENUS HERRICKI	11407 2	ARTHROPOD A	INSECTA	COLEOPTERA	PSEPHENIDAE	PSEPHENUS	4	IL EPA	Scraper	USEPA 1990 Draft		
HELODIDAE	11392 3	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE			7 IL EPA	Scraper	USEPA, 1990	Climber, Sprawler	Merritt and Cummins , 1996
CYPHON COLLARIS	11395 1	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
CYPHON PERPLEXUS	11395 6	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
CYPHON PUNCTATUS	11395 7	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
CYPHON OBSCURUS	11395 5	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
CYPHON MODESTUS	11395 3	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
CYPHON AMERICANUS	11395 0	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
CYPHON	11394 8	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA	Scraper		Climber	
CYPHON NEBULOSUS	11395 4	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	CYPHON	7	IL EPA				
ELODES	11396 9	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	ELODES	7	IL EPA			Climber	
PRIONOCYPHON	11392 5	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	PRIONOCYPHON	7	IL EPA	Scraper	USEPA 1990	Climber	

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										Draft		
SCIRTES	11392 9	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	SCIRTES	7	IL EPA	Shredder	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
SCIRTES TIBIALIS	11393 0	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	SCIRTES	7	IL EPA				
SCIRTES ORBICULATUS	11393 1	ARTHROPOD A	INSECTA	COLEOPTERA	SCIRTIDAE	SCIRTES	7	IL EPA				
DIPTERA	11883 1	ARTHROPOD A	INSECTA	DIPTERA			10	IL EPA				
ATHERICIDAE	13092 8	ARTHROPOD A	INSECTA	DIPTERA	ATHERICIDAE		10	IL EPA				
ATHERIX	13092 9	ARTHROPOD A	INSECTA	DIPTERA	ATHERICIDAE	ATHERIX	4	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
ATHERIX VARIEGATA	13093 2	ARTHROPOD A	INSECTA	DIPTERA	ATHERICIDAE	ATHERIX	4	IL EPA	Predator	RBP2 1999		
BLEPHARICERIDA E	12122 7	ARTHROPOD A	INSECTA	DIPTERA	BLEPHARICERIDA E		0	IL EPA	Scraper	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
BLEPHARICERA	12125 5	ARTHROPOD A	INSECTA	DIPTERA	BLEPHARICERIDA E	BLEPHARICERA	0	IL EPA	Scraper		Clinger	
CERATOPOGONI DAE	12707 6	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE		5	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
ATRICHOPOGON	12711 3	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	ATRICHOPOGON	2	IL EPA	Predator		Sprawler, Clinger	Merritt and Cummins , 1996
BEZZIA	12777 8	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	BEZZIA	5	IL EPA	Collector		Burrower	Merritt and Cummins , 1996
CERATOPOGON	12756 4	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	CERATOPOGON	5	IL EPA	Predator		Burrower	Barbour et al., 1999
CULICOIDES	12734 0	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	CULICOIDES	5	IL EPA	Predator		Burrower	
DASYHELEA	12727 8	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	DASYHELEA	5	IL EPA	Collector	Merritt and Cummins , 1996	Sprawler, Climber	Merritt and Cummins , 1996
FORCIPOMYIA	12715 2	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	FORCIPOMYIA	5	IL EPA	Scraper		Sprawler	Merritt and

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												Cummins , 1996
MONOHELEA	12757 5	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	MONOHELEA	5	IL EPA	Predator	Merritt et al., 1996	Sprawl er, Burro wer	Merritt et al., 1996
NILOBEZZIA	12772 0	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	NILOBEZZIA	5	IL EPA	Predator	RBP2 1999		
PALPOMYIA	12785 9	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	PALPOMYIA	6	IL EPA	Predator		Burro wer	Merritt and Cummins , 1996
PROBEZZIA	12772 9	ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	PROBEZZIA	5	IL EPA	Predator		Burro wer	
SPHAROMIAS		ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	SPHAROMIAS	5	IL EPA				
STILOBEZIA		ARTHROPOD A	INSECTA	DIPTERA	CERATOPOGONI DAE	STILOBEZIA	5	IL EPA				
CHAOBORIDAE	12588 6	ARTHROPOD A	INSECTA	DIPTERA	CHAOBORIDAE		8	IL EPA	Predator		Sprawl er	Merritt and Cummins , 1996
CHAOBORUS	12590 4	ARTHROPOD A	INSECTA	DIPTERA	CHAOBORIDAE	CHAOBORUS	8	IL EPA	Predator		Sprawl er	Merritt and Cummins , 1996
CORETHRELLA	12587 7	ARTHROPOD A	INSECTA	DIPTERA	CHAOBORIDAE	CORETHRELLA	8	IL EPA	Predator	Merritt et al., 1996	Swim mer	Barbour et al., 1999
CHIRONOMIDAE	12791 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE		6	IL EPA	Collector	Arizona DEQ	Burro wer	Merritt and Cummins , 1996
CHIRONOMINI	12922 9	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)		6	IL EPA	Collector	RBP2 1999		
AXARUS	12923 6	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	AXARUS	6	IL EPA	Collector	RBP2 1999		
CHIRONOMUS	12925 4	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	11	IL EPA	Collector	Arizona DEQ	Burro wer	Merritt and Cummins , 1996
CHIRONOMUS ATTENUATUS	12926 8	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	10	IL EPA				
CHIRONOMUS DECORUS	12928 0	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	11	IL EPA		RBP2 1999		
CHIRONOMUS PLUMOSUS	12930 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	11	IL EPA				
CHIRONOMUS RIPARIUS	12931 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	11	IL EPA		RBP2 1999	Burro wer	RBP2 1999

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CHIRONOMUS STAEGERI	129320	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	11	IL EPA				
CHIRONOMUS ANTHRACINUS	129258	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CHIRONOMUS	11	IL EPA				
CLADOPELMA	129350	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CLADOPELMA	6	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
CRYPTOCHIRON OMUS DIGITATUS	129374	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CRYPTOCHIRONOMUS	8	IL EPA				
CRYPTOCHIRON OMUS FULVUS	129376	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CRYPTOCHIRONOMUS	8	IL EPA	Predator	RBP2 1999	Burrower	RBP2 1999
CRYPTOCHIRON OMUS	129368	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CRYPTOCHIRONOMUS	8	IL EPA	Predator	Arizona DEQ	Sprawler, Burrower	Merritt and Cummins , 1996
CRYPTOTENDIPES	129394	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	CRYPTOTENDIPES	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
DEMICYPTOCHIRONOMUS	129421	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	DEMICYPTOCHIRONOMUS	6	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
DICROTENDIPES	129428	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	DICROTENDIPES	6	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
DICROTENDIPES MODESTUS	129448	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	DICROTENDIPES	6	IL EPA	Collector	USEPA 1990 Draft		
DICROTENDIPES NEOMODESTUS	129450	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	DICROTENDIPES	6	IL EPA	Collector	USEPA 1990 Draft		
DICROTENDIPES NERVOSUS	129452	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	DICROTENDIPES	6	IL EPA				
EINFELDIA	129459	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	EINFELDIA	10	IL EPA	Collector		Burrower	Merritt and Cummins , 1996
EINFELDIA AUSTENI		ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	EINFELDIA	10	IL EPA				
ENDOCHIRONOMUS SUBTENDENS	129474	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	ENDOCHIRONOMUS	6	IL EPA	Shredder	USEPA 1990 Draft		
ENDOCHIRONOMUS	129470	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	ENDOCHIRONOMUS	6	IL EPA	Shredder		Clinger	Merritt and Cummins , 1996

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ENDOCHIRONOMUS NIGRICANS	12947 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	ENDOCHIRONOMUS	6	IL EPA	Shredder	USEPA 1990 Draft		
GLYPTOTENDIPES	12948 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	GLYPTOTENDIPES	10	IL EPA	Filterer	Arizona DEQ	Burrower, Clinger	Merritt and Cummins , 1996
GLYPTOTENDIPES LOBIFERUS	12948 8	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	GLYPTOTENDIPES	10	IL EPA	Shredder	USEPA 1990 Draft		
GLYPTOTENDIPES PAPIPES		ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	GLYPTOTENDIPES	10	IL EPA				
HARNISCHIA	12925 5	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	HARNISCHIA	6	IL EPA	Collector		Climber, Clinger	Merritt and Cummins , 1996
KIEFFERULUS	12952 2	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	KIEFFERULUS	7	IL EPA	Collector		Burrower	
MICROCHIRONOMUS	12953 2	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	MICROCHIRONOMUS	6	IL EPA	Collector	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
MICROTENDIPES PEDELLUS	12954 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	MICROTENDIPES	6	IL EPA	Filterer	USEPA 1990 Draft		
MICROTENDIPES	12953 5	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	MICROTENDIPES	6	IL EPA	Filterer	Arizona DEQ	Clinger	Merritt and Cummins , 1996
MICROTENDIPES CADUCUS	12953 8	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	MICROTENDIPES	6	IL EPA				
NILOTHAUMA	12954 8	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	NILOTHAUMA	3	IL EPA				
PARACHIRONOMUS CARINATUS	12956 9	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARACHIRONOMUS	8	IL EPA	Predator	USEPA 1990 Draft		
PARACHIRONOMUS DIRECTUS	12957 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARACHIRONOMUS	8	IL EPA				
PARACHIRONOMUS MONOCHROMUS	12958 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARACHIRONOMUS	8	IL EPA				
PARACHIRONOMUS	12956 4	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARACHIRONOMUS	8	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
PARACLADOPELMA	12959 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARACLADOPELMA	4	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996

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PARALAUTERBORO RNIELLA	12961 6	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARALAUTERBORNI ELLA	6	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996
PARATENDIPES	12962 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PARATENDIPES	3	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
PHAENOPSECTR A	12963 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PHAENOPSECTRA	4	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
PHAENOPSECTR A FLAVIPES	12964 2	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PHAENOPSECTRA	4	IL EPA	Scraper	USEPA 1990 Draft		
POLYPEDILUM	12965 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	Arizona DEQ	Climber	Merritt and Cummins , 1996
POLYPEDILUM OBTUSUM	12969 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM FALLAX	12967 6	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM HALTERALE	12968 4	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	4	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM ILLINOENSE	12968 6	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	5	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM SCALAENUM	12970 8	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM SIMULANS	12971 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM DIGITIFER	12967 5	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	USEPA 1990 Draft		
POLYPEDILUM CONVICTUM	12967 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	POLYPEDILUM	6	IL EPA	Shredder	USEPA 1990 Draft		
PSEUDOCHIRON OMUS PRASINATUS	12987 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PSEUDOCHIRONOM US	5	IL EPA				
PSEUDOCHIRON OMUS	12985 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PSEUDOCHIRONOM US	5	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
												, 1996
PSEUDOCHIRONOMUS FULVIVENTRIS	129858	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	PSEUDOCHIRONOMUS	5	IL EPA				
ROBACKIA	129730	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	ROBACKIA	3	IL EPA	Collector	RBP2 1999		
SAETHERIA	129735	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	SAETHERIA	6	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
STELECHOMYIA	129743	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	STELECHOMYIA	6	IL EPA	Collector	RBP2 1999	Burrower	RBP2 1999
STENOCHIRONOMUS	129746	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	STENOCHIRONOMUS	3	IL EPA	Shredder	Arizona DEQ	Burrower	Merritt and Cummins , 1996
STENOCHIRONOMUS HILARIS	129760	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	STENOCHIRONOMUS	3	IL EPA	Collector	USEPA 1990 Draft		
STICTOCHIRONOMUS	129785	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	STICTOCHIRONOMUS	5	IL EPA		RBP2 1999	Burrower	Merritt and Cummins , 1996
TRIBELOS FUSCICORNE	129823	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	TRIBELOS	5	IL EPA	Collector	RBP2 1999	Burrower	RBP2 1999
TRIBELOS	129820	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	TRIBELOS	5	IL EPA	Collector		Burrower	Merritt and Cummins , 1996
XENOCHIRONOMUS	129837	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	XENOCHIRONOMUS	4	IL EPA	Predator	USEPA, 1990	Burrower	Merritt and Cummins , 1996
XESTOCHIRONOMUS	129842	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (CHIRONOMINI)	XESTOCHIRONOMUS	6	IL EPA		RBP2 1999		
DIAMESA	128355	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	DIAMESA	4	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
ODONTOMESA	128446	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	ODONTOMESA	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
POTTHASTIA	128408	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	POTTHASTIA	6	IL EPA		RBP2 1999	Sprawler	
PRODIAMESA	128452	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	PRODIAMESA	3	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins

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												, 1996
PSEUDODIAMESA	12841 6	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	PSEUDODIAMESA	1	IL EPA	Collector	Merritt and Cummins , 1996	Sprawl er	Merritt and Cummins , 1996
SYMPOTTHASTIA	12842 6	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	SYMPOTTHASTIA	6	IL EPA	Collector		Sprawl er	Merritt and Cummins , 1996
SYNDIAMESA	12842 9	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (DIAMESINAE)	SYNDIAMESA	6	IL EPA	Collector	USEPA, 1990	Sprawl er	Merritt and Cummins , 1996
ORTHOCLADIUS/ CRICOTOPUS		ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)		6	IL EPA				
ORTHOCLADIINA E	12845 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)		6	IL EPA	Collector	Arizona DEQ	Burro wer	Merritt and Cummins , 1996
BRILLIA	12847 7	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	BRILLIA	6	IL EPA	Shredder	Arizona DEQ	Burro wer, Sprawl er	Merritt and Cummins , 1996
CARDIOCLADIUS	12851 1	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CARDIOCLADIUS	6	IL EPA	Predator	Arizona DEQ	Burro wer	Merritt and Cummins , 1996
CHAETOCLADIUS	12852 0	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CHAETOCLADIUS	6	IL EPA	Collector	Arizona DEQ	Sprawl er	Merritt and Cummins , 1996
CORYNONEURA	12856 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CORYNONEURA	2	IL EPA	Collector	Arizona DEQ	Sprawl er	Merritt and Cummins , 1996
CORYNONEURA TARIS	12857 0	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CORYNONEURA	2	IL EPA	Collector	RBP2 1999		
CRICOTOPUS	12857 5	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CRICOTOPUS	8	IL EPA	Shredder		Clinbe r, Burro wer	Merritt and Cummins , 1996
CRICOTOPUS BICINCTUS	12858 3	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CRICOTOPUS	10	IL EPA		RBP2 1999		
CRICOTOPUS INTERSECTUS	12861 4	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA	CRICOTOPUS	8	IL EPA	Shredder	USEPA 1990		

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
					E)					Draft		
CRICOTOPUS SYLVESTRIS	128645	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CRICOTOPUS	8	IL EPA		RBP2 1999		
CRICOTOPUS TRIFASCIA	128659	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	CRICOTOPUS	6	IL EPA		RBP2 1999		
EPOICOCLADIUS	128682	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	EPOICOCLADIUS	6	IL EPA	Collector	USEPA 1990 Draft		
EUKIEFFERIELLA	128689	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	EUKIEFFERIELLA	4	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
HETEROTRISOC LADIUS	128737	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	HETEROTRISOCCLADIUS	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
HYDROBAENUS	128750	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	HYDROBAENUS	2	IL EPA	Scraper	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
METRIOCNEMUS	128821	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	METRIOCNEMUS	6	IL EPA	Collector	Merritt and Cummins , 1996	Burrower, Sprawler	Merritt and Cummins , 1996
NANOCLADIUS	128844	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	NANOCLADIUS	3	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
NANOCLADIUS DISTINCTUS	128853	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	NANOCLADIUS	3	IL EPA	Collector	RBP2 1999		
ORTHOCLADIUS	128874	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	ORTHOCLADIUS	4	IL EPA	Collector		Sprawler	Merritt and Cummins , 1996
PARAMETRIOCNE MUS	128978	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	PARAMETRIOCNEMUS	4	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
PARAPHAENOCL ADIUS	128989	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	PARAPHAENOCLADIUS	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
PSECTROCLADIU S	129018	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	PSECTROCLADIUS	5	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
												, 1996
PSEUDORTHOCLADIUS	129052	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	PSEUDORTHOCLADIUS	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
RHEOCRICOTOPUS FUSCIPES	129106	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	RHEOCRICOTOPUS	6	IL EPA				
RHEOCRICOTOPUS	129086	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	RHEOCRICOTOPUS	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
SMITTIA	129110	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	SMITTIA	6	IL EPA	Collector	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
THIENEMANNIELLA	129182	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	THIENEMANNIELLA	2	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
THIENEMANNIELLA XENA	129190	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	THIENEMANNIELLA	2	IL EPA	Collector	RBP2 1999		
ZALUTSCHIA	129213	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (ORTHOCLADIINA E)	ZALUTSCHIA	6	IL EPA	Shredder		Sprawler, Clinger	Merritt et al., 1996
TANYPODINAE	127994	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)		6	IL EPA	Predator	RBP2 1999	Burrower	RBP2 1999
ABLABESMYIA	128079	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
ABLABESMYIA TARELLA	128106	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA				
ABLABESMYIA PELEENSES		ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA				
ABLABESMYIA PARAJANTA	128112	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA				
ABLABESMYIA MONILIS	128107	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA	Predator	USEPA 1990 Draft		
ABLABESMYIA MALLOCHI	128097	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA		RBP2 1999		
ABLABESMYIA HAUBERI	128089	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA		RBP2 1999		
ABLABESMYIA ANNULATA	128081	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ABLABESMYIA	6	IL EPA		RBP2 1999		

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
CLINOTANYPUS PINGUIS	127998	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	CLINOTANYPUS	6	IL EPA	Predator	USEPA 1990 Draft		
CLINOTANYPUS	127996	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	CLINOTANYPUS	6	IL EPA	Predator		Burrower	
COELOTANYPUS	128010	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	COELOTANYPUS	4	IL EPA	Predator		Burrower	Merritt and Cummins , 1996
COELOTANYPUS CONCINNUS	128012	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	COELOTANYPUS	4	IL EPA	Predator	RBP2 1999		
CONCHAPELOPIA	128130	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	CONCHAPELOPIA	6	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
DJALMABATISTA	128271	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	DJALMABATISTA	6	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
GUTTIPELOPIA	128161	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	GUTTIPELOPIA	6	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
HELOPELOPIA	128131	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	HELOPELOPIA	4	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
LABRUNDINIA VIRESSENS	128182	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	LABRUNDINIA	6	IL EPA	Predator	RBP2 1999		
LABRUNDINIA	128173	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	LABRUNDINIA	4	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
LARSIA	128183	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	LARSIA	6	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
MACROPELOPIA	128034	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	MACROPELOPIA	7	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
MEROPELOPIA	128132	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	MEROPELOPIA	3	IL EPA				
NATARSIA	128070	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	NATARSIA	6	IL EPA	Predator		Sprawler	
NILOTANYPUS	128202	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	NILOTANYPUS	6	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
NILOTANYPUS FIMBRIATUS	128203	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	NILOTANYPUS	6	IL EPA	Predator	RBP2 1999		

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
PARAMERINA	128207	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	PARAMERINA	6	IL EPA	Predator	Arizona DEQ	Sprawler	
PENTANEURA	128215	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	PENTANEURA	3	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
PROCLADIUS	128277	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	PROCLADIUS	8	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
PSECTROTANYPUS	128048	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	PSECTROTANYPUS	8	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
RHEOPELOPIA	128226	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	RHEOPELOPIA	3	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
TANYPUS NEOPUNCTIPENNIS	128329	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	TANYPUS	8	IL EPA		RBP2 1999		
TANYPUS	128324	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	TANYPUS	8	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
THIENEMANNIMYIA	128236	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	THIENEMANNIMYIA	6	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
THIENEMANNIMYIA SENATA	128245	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	THIENEMANNIMYIA	6	IL EPA				
ZAVRELIAMYIA	128259	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYPODINAE)	ZAVRELIAMYIA	8	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
TANYTARSINI	129872	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)		6	IL EPA	Filterer	RBP2 1999		
CLADOTANYTARSUS	129873	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	CLADOTANYTARSUS	7	IL EPA	Collector	Arizona DEQ	Climber, Sprawler	Barbour et al., 1999
MICROPSECTRA	129890	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	MICROPSECTRA	4	IL EPA	Collector	Arizona DEQ	Climber	Merritt and Cummins , 1996
PARATANYTARSUS	129935	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	PARATANYTARSUS	6	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
RHEOTANYTARSUS	129952	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	RHEOTANYTARSUS	6	IL EPA	Filterer	Arizona DEQ	Clinger	Merritt and

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
												Cummins , 1996
STEMPELLINA	12996 2	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	STEMPELLINA	2	IL EPA	Collector	RBP2 1999	Climbe r	RBP2 1999
STEMPELLINELLA	12996 9	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	STEMPELLINELLA	2	IL EPA	Collector	RBP2 1999		
SUBLETTEA	12997 5	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	SUBLETTEA	6	IL EPA	Filterer	RBP2 1999		
TANYTARSUS	12997 8	ARTHROPOD A	INSECTA	DIPTERA	CHIRONOMIDAE (TANYTARSINI)	TANYTARSUS	7	IL EPA	Filterer	Arizona DEQ	Climbe r	Merritt and Cummins , 1996
CULICIDAE	12593 0	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE		8	IL EPA	Collector		Swim mer	Merritt and Cummins , 1996
AEDES CINEREUS	12626 4	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES TRIVITTATUS	12639 5	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES CANADENSIS	12641 8	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES STIMULANS	12637 6	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES VEXANS	12640 3	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES STICTICUS	12636 8	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES SOLLICITANS	12636 3	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES FLAVESCENS	12629 8	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES DORSALIS	12627 8	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES TRISERIATUS	12639 2	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES ATROPALPUS	12624 8	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
AEDES	12623 4	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA	Filterer		Swim mer	Merritt and Cummins , 1996
AEDES COMMUNIS	12626 7	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	AEDES	8	IL EPA				
ANOPHELES WALKERI	12598 2	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA				
ANOPHELES BARBERI	12596 0	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
ANOPHELES CRUCIANS	125962	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA				
ANOPHELES EARLEI	125963	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA				
ANOPHELES QUADRIMACULATUS	125980	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA				
ANOPHELES	125956	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA	Filterer		Swimmer	Merritt and Cummins , 1996
ANOPHELES PUNCTIPENNIS	125977	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	ANOPHELES	6	IL EPA				
CULEX SALINARIUS	126495	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA				
CULEX TARSALIS	126498	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA				
CULEX QUINQUEFASCIA TUS	126490	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA				
CULEX PIPiens	126488	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA	Filterer	USEPA 1990 Draft		
CULEX RESTUANS	126493	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA				
CULEX	126455	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA	Filterer		Swimmer	
CULEX ERRATICUS	126466	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA				
CULEX PECCATOR	126479	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULEX	8	IL EPA				
CULISETA MELANURA	126443	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULISETA	8	IL EPA				
CULISETA INORNATA	126440	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULISETA	8	IL EPA				
CULISETA	126429	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	CULISETA	8	IL EPA	Collector	USEPA, 1990	Swimmer	Merritt and Cummins , 1996
MANSONIA PERTURBANS	126531	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	MANSONIA	8	IL EPA				
MANSONIA	126527	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	MANSONIA	8	IL EPA	Collector	USEPA, 1990	Clinger	Merritt and Cummins , 1996
PSOROPHORA CONFINNIS	126550	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA	Predator	USEPA 1990 Draft		

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PSOROPHORA DISCOLOR	12655 4	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA HORRIDA	12655 7	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA HOWARDI		ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA VARIPES	12657 2	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA CYANESCENS	12655 2	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA CILIATA	12653 9	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA FEROX	12655 6	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA				
PSOROPHORA	12653 8	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	PSOROPHORA	8	IL EPA	Predator	USEPA, 1990	Swim mer	Merritt and Cummins , 1996
URANOTAENIA SAPPHIRINA	12658 0	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	URANOTAENIA	8	IL EPA				
URANOTAENIA	12657 5	ARTHROPOD A	INSECTA	DIPTERA	CULICIDAE	URANOTAENIA	8	IL EPA	Filterer	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
DIXIDAE	12580 9	ARTHROPOD A	INSECTA	DIPTERA	DIXIDAE		10	IL EPA	Collector		Swim mer, Climbe r	Merritt and Cummins , 1996
DIXA	12581 0	ARTHROPOD A	INSECTA	DIPTERA	DIXIDAE	DIXA	10	IL EPA	Collector	Arizona DEQ	Swim mer	Merritt and Cummins , 1996
DOLICHOPODIDA E	13682 4	ARTHROPOD A	INSECTA	DIPTERA	DOLICHOPODIDA E		5	IL EPA	Predator	Arizona DEQ	Sprawl er, Burro wer	Merritt and Cummins , 1996
HYDROPHORUS	13860 6	ARTHROPOD A	INSECTA	DIPTERA	DOLICHOPODIDA E	HYDROPHORUS		IL EPA	Predator	USEPA 1990 Draft		
EMPIDIDAE	13583 0	ARTHROPOD A	INSECTA	DIPTERA	EMPIDIDAE		6	IL EPA	Predator	Arizona DEQ	Sprawl er, Burro wer	Merritt and Cummins , 1996
HEMERODROMIA	13632 7	ARTHROPOD A	INSECTA	DIPTERA	EMPIDIDAE	HEMERODROMIA	6	IL EPA	Predator	Arizona DEQ	Sprawl er	Merritt and Cummins , 1996
EPHYDRIDAE	14689 3	ARTHROPOD A	INSECTA	DIPTERA	EPHYDRIDAE		8	IL EPA	Collector	Arizona DEQ	Burro wer,	Merritt and

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
											Sprawler	Cummins , 1996
EPHYDRA	14748 6	ARTHROPOD A	INSECTA	DIPTERA	EPHYDRIDAE	EPHYDRA	8	IL EPA	Collector	USEPA, 1990	Sprawler, Burrower	Merritt and Cummins , 1996
MUSCIDI	15002 5	ARTHROPOD A	INSECTA	DIPTERA	MUSCIDI		8	IL EPA	Predator	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
LIMNO	15073 0	ARTHROPOD A	INSECTA	DIPTERA	MUSCIDI	LIMNO	8	IL EPA	Predator	Arizona DEQ	Burrower	Merritt and Cummins , 1996
PSYCHODI	12535 1	ARTHROPOD A	INSECTA	DIPTERA	PSYCHODI		11	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
PERICOMA	12551 4	ARTHROPOD A	INSECTA	DIPTERA	PSYCHODI	PERICOMA	11	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
PSYCHODA	12546 8	ARTHROPOD A	INSECTA	DIPTERA	PSYCHODI	PSYCHODA	11	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
TELMATOSCO	12539 9	ARTHROPOD A	INSECTA	DIPTERA	PSYCHODI	TELMATOSCO	11	IL EPA	Collector	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
PTYCHOPTERI	12576 3	ARTHROPOD A	INSECTA	DIPTERA	PTYCHOPTERI		8	IL EPA	Collector	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
BITTACOMORPH	12576 5	ARTHROPOD A	INSECTA	DIPTERA	PTYCHOPTERI	BITTACOMORPH	8	IL EPA	Collector	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
PTYCHOPTERA	12578 6	ARTHROPOD A	INSECTA	DIPTERA	PTYCHOPTERI	PTYCHOPTERA	8	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
SCIOMYZIDA	14465 3	ARTHROPOD A	INSECTA	DIPTERA	SCIOMYZIDA		10	IL EPA	Predator	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
DICTYA	14478 9	ARTHROPOD A	INSECTA	DIPTERA	SCIOMYZIDA	DICTYA	10	IL EPA	Predator	Merritt and Cummins	Burrower	Merritt and Cummins

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										, 1996		, 1996
DICTYA PICTIPES	144807	ARTHROPOD A	INSECTA	DIPTERA	SCIOMYZIDAE	DICTYA	10	IL EPA				
SIMULIIDAE	126640	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE		6	IL EPA	Filterer	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
CNEPHIA PECUARUM	126655	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	CNEPHIA	4	IL EPA				
CNEPHIA	126649	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	CNEPHIA	4	IL EPA	Filterer	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
PROSIMULIUM MIXTUM	126736	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	PROSIMULIUM	2	IL EPA				
PROSIMULIUM MAGNUM	126733	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	PROSIMULIUM	2	IL EPA				
PROSIMULIUM	126703	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	PROSIMULIUM	2	IL EPA	Filterer		Clinger	Merritt and Cummins , 1996
SIMULIUM VERECUNDUM	126898	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	6	IL EPA				
SIMULIUM CORBIS	126804	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	0	IL EPA				
SIMULIUM LUGGERI	126838	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	2	IL EPA				
SIMULIUM DECORUM	126808	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	4	IL EPA	Filterer	USEPA 1990 Draft		
SIMULIUM JENNINGSI	126832	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	4	IL EPA	Filterer	RBP2 1999		
SIMULIUM VITTATUM	126903	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	8	IL EPA	Filterer	RBP2 1999		
SIMULIUM VENUSTUM	126892	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	6	IL EPA	Filterer	RBP2 1999		
SIMULIUM MERIDIONALE	126841	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	1	IL EPA	Filterer	RBP2 1999		
SIMULIUM TUBEROSUM	126883	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	4	IL EPA	Filterer	RBP2 1999	Clinger	RBP2 1999
SIMULIUM	126774	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	6	IL EPA	Filterer		Clinger	Merritt and Cummins , 1996
SIMULIUM CLARKEI	126801	ARTHROPOD A	INSECTA	DIPTERA	SIMULIIDAE	SIMULIUM	4	IL EPA				
STRATIOMYIDAE	130150	ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE		10	IL EPA	Collector		Sprawler,	Merritt and

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											Swim mer	Cummins , 1996
ODOSTOMIA	75447	ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE	ODONTOMYIA	10	IL EPA	Collector	Merritt and Cummins , 1996	Sprawl er	Merritt and Cummins , 1996
ODOSTOMIA CINCTA	75550	ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE	ODONTOMYIA	10	IL EPA				
OXYCERA	13046 1	ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE	OXYCERA	10	IL EPA	Scraper	Merritt and Cummins , 1996	Sprawl er, Burro wer	Merritt and Cummins , 1996
STRATIOMYS MEIGENI		ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE	STRATIOMYS	10	IL EPA				
STRATIOMYS DISCALIS	13064 3	ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE	STRATIOMYS	10	IL EPA				
STRATIOMYS	13062 7	ARTHROPOD A	INSECTA	DIPTERA	STRATIOMYIDAE	STRATIOMYS	10	IL EPA	Filterer		Sprawl er	Merritt and Cummins , 1996
SYRPHIDAE	13962 1	ARTHROPOD A	INSECTA	DIPTERA	SYRPHIDAE		11	IL EPA	Collector	Arizona DEQ		
CHRYSOGASTER	14104 9	ARTHROPOD A	INSECTA	DIPTERA	SYRPHIDAE	CHRYSOGASTER	11	IL EPA	Collector	Merritt and Cummins , 1996	Burro wer	Merritt and Cummins , 1996
ERISTALIS	14090 4	ARTHROPOD A	INSECTA	DIPTERA	SYRPHIDAE	ERISTALIS	11	IL EPA	Collector	Merritt and Cummins , 1996	Burro wer	Merritt and Cummins , 1996
TABANIDAE	13093 4	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE		7	IL EPA	Predator	Arizona DEQ	Sprawl er, Burro wer	Merritt and Cummins , 1996
ATYLOTUS BICOLOR	13147 7	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	ATYLOTUS	7	IL EPA				
ATYLOTUS	13147 6	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	ATYLOTUS	7	IL EPA	Predator	Merritt and Cummins , 1996	Sprawl er, Burro wer	Merritt and Cummins , 1996
CHRYSOPS FLAVIDUS	13113 3	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSOPS	7	IL EPA				
CHRYSOPS CINCTICORNUS	13122 7	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSOPS	7	IL EPA				
CHRYSOPS MACQUARTI	13116 8	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSOPS	7	IL EPA				
CHRYSOPS CALLIDUS	13110 3	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSOPS	7	IL EPA				

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CHRYSSOPS MOECHUS	13117 0	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS MONTANUS	13117 1	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS NIGER	13117 4	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS STRIATUS	13119 7	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS UNIVITTATUS	13120 2	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS VITTATUS	13121 9	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS GEMINATUS	13115 0	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS BRUNNEUS	13110 2	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS ABERRANS	13108 1	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
CHRYSSOPS	13107 8	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA	Collector		Sprawler	Merritt and Cummins , 1996
CHRYSSOPS DIMMOCKI	13112 1	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	CHRYSSOPS	7	IL EPA				
HYBOMITRA	13132 1	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	HYBOMITRA	7	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler, Burrower	Merritt and Cummins , 1996
TABANUS REINWARDTII	13169 6	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS CYMATOPHORUS	13157 8	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS FAIRCHILDII	13159 8	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS LINEOLA	13174 2	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS MARGINALIS	13164 1	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS NIGRESCENS	13166 0	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS SUBSIMILIS	13174 7	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS SPARUS	13171 2	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS SULCIFRONS	13172 6	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS QUINQUEVITTAT	13169 1	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				

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US												
TABANUS PUMILUS	13168 7	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS ATRATUS	13154 0	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS SUPERJUMENTARIUS	13172 9	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS STYGIUS	13171 8	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TABANUS	13152 7	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
TABANUS TRIMACULATUS	13173 4	ARTHROPOD A	INSECTA	DIPTERA	TABANIDAE	TABANUS	7	IL EPA				
TIPULIDAE	11884 0	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE		4	IL EPA	Shredder	Arizona DEQ	Burrower	Merritt and Cummins , 1996
ANTOCHA	11965 6	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	ANTOCHA	5	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996
DICRANOTA	12102 7	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	DICRANOTA	4	IL EPA	Predator	Arizona DEQ	Sprawler, Burrower	Merritt and Cummins , 1996
ERIOCERA	12009 5	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	ERIOCERA	7	IL EPA	Predator		Burrower	
ERIOPTERA	12050 3	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	ERIOPTERA	4	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
GONOMYIA	12064 0	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	GONOMYIA	4	IL EPA	Collector	RBP2 1999	Burrower	RBP2 1999
HELIUS	11969 0	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	HELIUS	5	IL EPA	Collector		Sprawler	
HESPEROCONOPA	12073 2	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	HESPEROCONOPA	2	IL EPA	Collector	Arizona DEQ	Burrower	Merritt and Cummins , 1996
HEXATOMA	12009 4	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	HEXATOMA	4	IL EPA	Predator	Arizona DEQ	Burrower	Merritt and Cummins , 1996
LIMNOPHILA	12016 5	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	LIMNOPHILA	4	IL EPA	Predator		Burrower	Merritt and

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												Cummins , 1996
LIMONIA	11970 4	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	LIMONIA	3	IL EPA	Shredder	Arizona DEQ	Burrower	Merritt and Cummins , 1996
ORMOSIA	12083 0	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	ORMOSIA	4	IL EPA	Collector		Burrower	Merritt and Cummins , 1996
PEDICIA	12111 8	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	PEDICIA	4	IL EPA	Predator	Arizona DEQ	Burrower	Merritt and Cummins , 1996
PILARIA	12033 5	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	PILARIA	4	IL EPA	Predator		Burrower	Merritt and Cummins , 1996
PRIONOCERA	11900 8	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	PRIONOCERA	4	IL EPA	Shredder	Barbour et al., 1999	Burrower	Merritt and Cummins , 1996
PSEUDOLIMNOPHILA	12036 5	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	PSEUDOLIMNOPHILA	2	IL EPA	Predator		Burrower	
TIPULA	11903 7	ARTHROPOD A	INSECTA	DIPTERA	TIPULIDAE	TIPULA	4	IL EPA	Shredder	Arizona DEQ	Burrower	Merritt and Cummins , 1996
EPHEMEROPTERA	10050 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA			3	IL EPA	Collector			
BAETIDAE	10075 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE		4	IL EPA	Collector	Arizona DEQ	Swimmer, Clinger	Merritt and Cummins , 1996
ACERPENNA	56854 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	ACERPENNA	4	IL EPA	Shredder	RBP2 1999	Swimmer	RBP2 1999
ACERPENNA PYGMAEUS	20662 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	ACERPENNA	4	IL EPA		RBP2 1999		
BAETIS INTERCALARIS	10080 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	7	IL EPA		RBP2 1999		
BAETIS LEVITANS	10084 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA				
BAETIS QUILLERI	10086 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA				
BAETIS PYGMAEUS	10086 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA		RBP2 1999		
BAETIS PROPINQUUS	10086 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA		RBP2 1999		

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BAETIS LONGIPALPUS	100869	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	6	IL EPA				
BAETIS TRICAUDATUS	100817	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	1	IL EPA	Collector	RBP2 1999		
BAETIS	100800	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA	Collector	Arizona DEQ	Swim mer	Merritt and Cummins , 1996
BAETIS FRONDALIS	100838	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA		RBP2 1999		
BAETIS FLAVISTRIGA	100835	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA	Collector	RBP2 1999		
BAETIS MACDUNNOUGHII	100849	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA	Collector	USEPA 1990 Draft		
BAETIS EPHIPPATUS	100833	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA		RBP2 1999		
BAETIS BRUNNEICOLOR	100825	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA	Collector	USEPA 1990 Draft		
BAETIS AMPLUS	100819	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA	Collector	USEPA 1990 Draft		
BAETIS HAGENI	100839	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BAETIS	4	IL EPA	Collector	USEPA 1990 Draft		
BARBAETIS CESTUS		ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	BARBAETIS	4	IL EPA				
CALLIBAETIS	100903	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CALLIBAETIS	4	IL EPA	Collector	Arizona DEQ	Swim mer	Merritt and Cummins , 1996
CALLIBAETIS FERRUGINEUS	100918	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CALLIBAETIS	4	IL EPA				
CALLIBAETIS FLUCTUANS	100920	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CALLIBAETIS	4	IL EPA				
CALLIBAETIS SKOKIANUS	100931	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CALLIBAETIS	4	IL EPA				
CENTROPTILUM	100873	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CENTROPTILUM	2	IL EPA	Collector	Arizona DEQ	Swim mer, Clinger	Merritt and Cummins , 1996
CLOEON	100756	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CLOEON	3	IL EPA		RBP2 1999	Swim mer	Merritt and Cummins , 1996
CLOEON ALAMANCE		ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CLOEON	3	IL EPA				

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CLOEON RUBROPICTUM	10075 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	CLOEON	3	IL EPA		RBP2 1999		
HETEROCLOEON CURIOSUM	10079 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	HETEROCLOEON	4	IL EPA	Scraper	USEPA 1990 Draft		
HETEROCLOEON	10079 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	HETEROCLOEON	4	IL EPA	Scraper	Merritt and Cummins , 1996	Swim mer, Clinger	Merritt and Cummins , 1996
PARACLOEODES	10089 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PARACLOEODES	4	IL EPA	Scraper	Merritt and Cummins , 1996	Swim mer	Merritt and Cummins , 1996
PLAUDITUS	56855 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PLAUDITUS	3	IL EPA				
PROCLOEON	20662 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PROCLOEON	4	IL EPA		RBP2 1999	Swim mer	RBP2 1999
PSEUDOCLOEON	10077 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PSEUDOCLOEON	4	IL EPA	Scraper		Swim mer	Merrit et al., 1996
PSEUDOCLOEON CAROLINA	10077 7	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PSEUDOCLOEON	4	IL EPA				
PSEUDOCLOEON DUBIUM	10077 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PSEUDOCLOEON	4	IL EPA	Scraper	USEPA 1990 Draft		
PSEUDOCLOEON MYRSUM	10078 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PSEUDOCLOEON	4	IL EPA				
PSEUDOCLOEON PARVULUM	10078 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PSEUDOCLOEON	4	IL EPA		RBP2 1999		
PSEUDOCLOEON PUNCTIVENTRIS	10078 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETIDAE	PSEUDOCLOEON	4	IL EPA		RBP2 1999		
BAETISCIDAE	10149 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETISCIDAE		3	IL EPA	Collector	Merritt et al., 1996	Sprawler	Merritt et al., 1996
BAETISCA BAJKOVI	10149 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETISCIDAE	BAETISCA	3	IL EPA				
BAETISCA	10149 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETISCIDAE	BAETISCA	3	IL EPA	Collector		Sprawler	Merritt and Cummins , 1996
BAETISCA LACUSTRIS	10150 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETISCIDAE	BAETISCA	3	IL EPA				
BAETISCA LAURENTINA	10150 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETISCIDAE	BAETISCA	3	IL EPA				
BAETISCA OBESA	10149 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	BAETISCIDAE	BAETISCA	3	IL EPA		RBP2 1999		
CAENIDAE	10146 7	ARTHROPOD A	INSECTA	EPHEMEROPTERA	CAENIDAE		6	IL EPA	Collector		Sprawler	Merritt et al., 1996
BRACHYCERCUS	10146 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	CAENIDAE	BRACHYCERCUS	3	IL EPA	Collector	Merritt and	Sprawler	Merritt and

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										Cummins , 1996		Cummins , 1996
CAENIS	10147 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	CAENIDAE	CAENIS	6	IL EPA	Collector	Arizona DEQ	Sprawl er	Merritt and Cummins , 1996
EPHEMERELLIDA E	10123 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E		4	IL EPA	Collector	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
ATTENELLA	10133 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	ATTENELLA	2	IL EPA	Collector	Merritt and Cummins , 1996	Clinge r	Merritt and Cummins , 1996
ATTENELLA ATTENUATA	10134 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	ATTENELLA	2	IL EPA	Collector	USEPA 1990 Draft		
DANNELLA	10136 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DANNELLA	2	IL EPA			Clinge r	Merritt et al., 1996
DANNELLA LITA	10136 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DANNELLA	2	IL EPA	Collector	USEPA 1990 Draft		
DANNELLA SIMPLEX	10136 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DANNELLA	2	IL EPA	Collector	USEPA 1990 Draft		
DRUNELLA	10136 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DRUNELLA	1	IL EPA	Predator		Clinge r	
EPHEMERELLA CORNUTA	10126 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DRUNELLA	1	IL EPA				
EPHEMERELLA WALKERI	10131 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DRUNELLA	1	IL EPA				
EPHEMERELLA LATA	10128 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DRUNELLA	1	IL EPA				
DRUNELLA CORNUTELLA	10136 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	DRUNELLA	1	IL EPA	Scraper	USEPA 1990 Draft		
EPHEMERELLA	10123 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
EPHEMERELLA ROTUNDA	10129 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA		RBP2 1999		
EPHEMERELLA NEEDHAMI	10129 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERELLA INVARIA	10128 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	USEPA 1990 Draft		

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EPHEMERELLA EXCRUCIANS	10127 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERELLA DOROTHEA	10127 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERELLA CATAWBA	10126 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERELLA SUBVARIA	10124 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERELLA AURIVILLII	10125 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EPHEMERELLA	2	IL EPA	Collector	RBP2 1999		
EURYLOPHELLA AESTIVA	10133 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA				
EURYLOPHELLA FUNERALIS	10133 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA		USEPA 1990 Draft		
EURYLOPHELLA BICOLOR	10133 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA	Collector	USEPA 1990 Draft		
EURYLOPHELLA	10132 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA	Scraper		Clinge r	
EURYLOPHELLA TEMPORALIS	10132 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA	Collector	RBP2 1999		
EPHEMERELLA COXALIS	10126 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA				
EURYLOPHELLA LUTULENTA	10132 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	EURYLOPHELLA	4	IL EPA	Collector	USEPA 1990 Draft		
SERRATELLA	10139 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	SERRATELLA	1	IL EPA	Collector		Clinge r	
SERRATELLA SORDIDA	10140 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	SERRATELLA	1	IL EPA	Collector	USEPA 1990 Draft		
SERRATELLA DEFICIENTS	10139 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	SERRATELLA	1	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERELLA FRISONI	10127 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERELLIDA E	SERRATELLA	1	IL EPA				
EPHEMERIDAE	10152 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE		5	IL EPA	Collector	Merritt et al., 1996	Burrower	Merritt et al., 1996
EPHEMERA SIMULANS	10153 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	EPHEMERA	3	IL EPA	Collector	USEPA 1990 Draft		
EPHEMERA	10152 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	EPHEMERA	3	IL EPA	Collector		Burrower	Merritt and

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												Cummins , 1996
HEXAGENIA ATROCAUDATA	10153 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	HEXAGENIA	6	IL EPA	Collector	USEPA 1990 Draft		
HEXAGENIA BILINEATA	10153 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	HEXAGENIA	6	IL EPA	Collector	RBP2 1999		
HEXAGENIA LIMBATA	10155 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	HEXAGENIA	5	IL EPA	Collector	RBP2 1999		
HEXAGENIA RIGIDA	10155 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	HEXAGENIA	6	IL EPA	Collector	USEPA 1990 Draft		
HEXAGENIA MUNDA	10154 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	HEXAGENIA	7	IL EPA				
HEXAGENIA	10153 7	ARTHROPOD A	INSECTA	EPHEMEROPTERA	EPHEMERIDAE	HEXAGENIA	6	IL EPA	Collector		Burro wer	Merritt and Cummins , 1996
HEPTAGENIIDAE	10050 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE		4	IL EPA	Scraper	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
ANEPEORUS SIMPLEX	10066 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	ANEPEORUS	4	IL EPA				
ANEPEORUS	10066 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	ANEPEORUS	4	IL EPA	Predator	Merritt and Cummins , 1996	Sprawl er	Merritt and Cummins , 1996
ARTHROPLEA	10050 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	ARTHROPLEA	3	IL EPA	Filterer	Merritt and Cummins , 1996	Swim mer, Clinge r	Merritt and Cummins , 1996
ARTHROPLEA BIPUNCTATA	10050 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	ARTHROPLEA	3	IL EPA				
EPEORUS	10062 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	EPEORUS	1	IL EPA	Scraper	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
EPEORUS VITREUS		ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	EPEORUS	0	IL EPA				
HEPTAGENIA LUCIDIPENNIS	10061 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	3	IL EPA				
HEPTAGENIA PULLA	10061 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	0	IL EPA	Scraper	USEPA 1990 Draft		
HEPTAGENIA MACULIPENNIS	10061 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	3	IL EPA	Scraper	USEPA 1990 Draft		

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HEPTAGENIA PERFDA	10070 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	1	IL EPA				
HEPTAGENIA DIABASIA	10060 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	4	IL EPA				
HEPTAGENIA	10060 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	3	IL EPA	Scraper		Clinger	Merritt and Cummins , 1996
HEPTAGENIA FLAVESCENS	10061 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	2	IL EPA		RBP2 1999		
HEPTAGENIA HEBE	10067 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	3	IL EPA				
HEPTAGENIA MARGINALIS	10061 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	HEPTAGENIA	1	IL EPA	Scraper	USEPA 1990 Draft		
LEUCROCUTA MACULIPENNIS	10067 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	LEUCROCUTA	1	IL EPA				
LEUCROCUTA	10067 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	LEUCROCUTA	1	IL EPA	Scraper	Barbour et al., 1999	Clinger	Merritt and Cummins , 1996
NIXE	10069 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	NIXE	4	IL EPA	Scraper	RBP2 1999	Clinger	RBP2 1999
RHITHROGENA	10057 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	RHITHROGENA	0	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
RHITHROGENA PELLUCIDA	10058 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	RHITHROGENA	0	IL EPA	Scraper	USEPA 1990 Draft		
STENACRON INTERPUNCTATU M	10071 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENACRON	4	IL EPA		RBP2 1999		
STENACRON	10071 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENACRON	4	IL EPA	Scraper		Clinger	Merritt and Cummins , 1996
STENONEMA NEPOTELLUM	10053 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	5	IL EPA				
STENONEMA TERMINATUM	10054 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	4	IL EPA	Scraper	USEPA 1990 Draft		
STENONEMA ARES	10051 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	3	IL EPA				
STENONEMA VICARIUM	10054 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	3	IL EPA	Scraper	USEPA 1990 Draft		
STENONEMA EXIGUUM	10051 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	5	IL EPA		RBP2 1999		

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STENONEMA INTEGRUM	100521	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	4	IL EPA		RBP2 1999			
STENONEMA	100507	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	4	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996	
STENONEMA LUTEUM	100529	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	1	IL EPA	Scraper	USEPA 1990 Draft			
STENONEMA FEMORATUM	100516	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	7	IL EPA	Scraper	USEPA 1990 Draft			
STENONEMA MODESTUM	100532	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	3	IL EPA	Scraper	RBP2 1999			
STENONEMA MEDIOPUNCTATUM	100530	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	2	IL EPA	Scraper	USEPA 1990 Draft			
STENONEMA PULCHELLUM	100509	ARTHROPOD A	INSECTA	EPHEMEROPTERA	HEPTAGENIIDAE	STENONEMA	3	IL EPA	Scraper	USEPA 1990 Draft			
LEPTOPHLEBIIDAE	101095	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE			3	IL EPA	Collector	Arizona DEQ	Swimmer, Clinger	Merritt and Cummins , 1996
CHOROTERPES BASALIS	101110	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	CHOROTERPES	2	IL EPA	Collector	USEPA 1990 Draft			
CHOROTERPES	101108	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	CHOROTERPES	2	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996	
HABROPHLEBIOD ES AMERICANA	101126	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	HABROPHLEBIODES	2	IL EPA					
HABROPHLEBIOD ES	101122	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	HABROPHLEBIODES	2	IL EPA	Scraper	USEPA, 1990	Swimmer		
LEPTOPHLEBIA	101148	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	LEPTOPHLEBIA	3	IL EPA	Collector	Arizona DEQ	Swimmer	Merritt and Cummins , 1996	
PARALEPTOPHLE BIA STICTA	101223	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	PARALEPTOPHLEBIA	2	IL EPA					
PARALEPTOPHLE BIA PRAEPEDITA	101221	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	PARALEPTOPHLEBIA	2	IL EPA					
PARALEPTOPHLE BIA ONTARIO	101219	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	PARALEPTOPHLEBIA	2	IL EPA					
PARALEPTOPHLE BIA MOERENS	101217	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	PARALEPTOPHLEBIA	2	IL EPA					
PARALEPTOPHLE BIA	101187	ARTHROPOD A	INSECTA	EPHEMEROPTERA	LEPTOPHLEBIIDAE	PARALEPTOPHLEBIA	2	IL EPA	Collector	Arizona DEQ	Swimmer	Merritt and	

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												Cummins , 1996
METRETOPODIDA E	10107 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	METRETOPODIDA E			3	IL EPA			Swim mer, Clinge r
SIPHLOPLECTON BASALE	10108 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	METRETOPODIDA E	SIPHLOPLECTON	2	IL EPA				Merritt and Cummins , 1996
SIPHLOPLECTON	10107 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	METRETOPODIDA E	SIPHLOPLECTON	2	IL EPA	Collector	Merritt and Cummins , 1996	Swim mer, Clinge r	Merritt and Cummins , 1996
SIPHLOPLECTON INTERLINEATUM	10108 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	METRETOPODIDA E	SIPHLOPLECTON	2	IL EPA				
OLIGONEURIIDAE	10102 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE		3	IL EPA	Filterer	Merritt et al., 1996	Burrower	Merritt et al., 1996
ISONYCHIA ARIDA	10106 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE	ISONYCHIA	3	IL EPA				
ISONYCHIA BICOLOR	10104 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE	ISONYCHIA	3	IL EPA	Collector	USEPA 1990 Draft		
ISONYCHIA RUFA	10105 7	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE	ISONYCHIA	3	IL EPA				
ISONYCHIA SAYI	10106 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE	ISONYCHIA	3	IL EPA				
ISONYCHIA SICCA	10106 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE	ISONYCHIA	3	IL EPA				
ISONYCHIA	10104 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	OLIGONEURIIDAE	ISONYCHIA	3	IL EPA	Filterer	Arizona DEQ	Swim mer	Merritt and Cummins , 1996
PALINGENIIDAE	10158 7	ARTHROPOD A	INSECTA	EPHEMEROPTERA	PALINGENIIDAE		4	IL EPA	Collector	Merritt et al., 1996	Burrower	Merritt et al., 1996
PENTAGENIA	10158 8	ARTHROPOD A	INSECTA	EPHEMEROPTERA	PALINGENIIDAE	PENTAGENIA	4	IL EPA	Filterer		Burrower	Merritt and Cummins , 1996
PENTAGENIA VITTIGERA	10158 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	PALINGENIIDAE	PENTAGENIA	4	IL EPA	Collector	USEPA 1990 Draft		
POLYMITARCYID AE	10156 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POLYMITARCYID AE		3	IL EPA	Collector	Merritt et al., 1996	Burrower	Merritt and Cummins , 1996
EPHORON LEUKON	10157 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POLYMITARCYID AE	EPHORON	2	IL EPA	Collector	USEPA 1990 Draft		
EPHORON	10157 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POLYMITARCYID AE	EPHORON	2	IL EPA	Collector		Burrower	Merritt and

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												Cummins , 1996
EPHORON ALBUM	10157 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POLYMITARCYID AE	EPHORON	2	IL EPA	Collector	USEPA 1990 Draft		
TORTOPUS	10157 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POLYMITARCYID AE	TORTOPUS	4	IL EPA	Collector	Merritt et al., 1996	Burrower	Merritt and Cummins , 1996
POTAMANTHIDAE	10150 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POTAMANTHIDAE		5	IL EPA	Filterer		Burrower	Merritt and Cummins , 1996
POTAMANTHUS	10151 0	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POTAMANTHIDAE	POTAMANTHUS	4	IL EPA	Collector	USEPA, 1990		
POTAMANTHUS MYOPS	10151 2	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POTAMANTHIDAE	POTAMANTHUS	4	IL EPA				
ANTHOPOTAMUS	56855 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	POTAMANTHIDAE	POTAMANTHUS	4	IL EPA				
SIPHONURIDAE	10095 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE		3	IL EPA	Collector	Arizona DEQ	Swimmer, Climber	Merritt and Cummins , 1996
ACANTHAMETROPUS PECATONICA	10098 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	ACANTHAMETROPU S	3	IL EPA				
ACANTHAMETROPUS	10098 7	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	ACANTHAMETROPU S	3	IL EPA	Predator	USEPA, 1990	Swimmer	Merritt et al., 1996
AMELETUS	10099 6	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	AMELETUS	0	IL EPA	Collector	Arizona DEQ	Swimmer	Merritt and Cummins , 1996
AMELETUS LINEATUS	10100 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	AMELETUS	0	IL EPA				
SIPHONURUS ALTERNATUS	10095 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	SIPHONURUS	2	IL EPA				
SIPHONURUS QUEBECENSIS	10096 9	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	SIPHONURUS	2	IL EPA				
SIPHONURUS RAPIDUS	10097 1	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	SIPHONURUS	2	IL EPA				
SIPHONURUS	10095 3	ARTHROPOD A	INSECTA	EPHEMEROPTERA	SIPHONURIDAE	SIPHONURUS	2	IL EPA	Collector	Arizona DEQ	Swimmer	Merritt and Cummins , 1996
TRICORYTHIDAE	10140 4	ARTHROPOD A	INSECTA	EPHEMEROPTERA	TRICORYTHIDAE		6	IL EPA	Collector	Arizona DEQ	Clinger, Sprawler	Merritt and Cummins , 1996

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TRICORYTHODES	10140 5	ARTHROPOD A	INSECTA	EPHEMEROPTERA	TRICORYTHIDAE	TRICORYTHODES	5	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
HEMIPTERA	10335 9	ARTHROPOD A	INSECTA	HEMIPTERA				IL EPA	Predator		Climber, Swimmer	Barbour et al., 1999
BELOSTOMATIDA E	10368 3	ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E			IL EPA	Predator	Merritt and Cummins , 1996	Climber, Swimmer	Merritt and Cummins , 1996
BELOSTOMA FLUMINEUM	10368 9	ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E	BELOSTOMA		IL EPA	Predator	RBP2 1999		
BELOSTOMA	10368 4	ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E	BELOSTOMA		IL EPA	Predator		Climber	Merritt and Cummins , 1996
LETHOCERUS	10369 9	ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E	LETHOCERUS		IL EPA	Predator	USEPA, 1990	Climber	Merritt and Cummins , 1996
LETHOCERUS AMERICANS		ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E	LETHOCERUS		IL EPA				
LETHOCERUS GRISEUS	10370 6	ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E	LETHOCERUS		IL EPA				
LETHOCERUS UHLERI	10370 4	ARTHROPOD A	INSECTA	HEMIPTERA	BELOSTOMATIDA E	LETHOCERUS		IL EPA				
CORIXIDAE	10336 4	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE			IL EPA	Predator	Arizona DEQ	Swimmer	Merritt and Cummins , 1996
HESPEROCORIXA	10344 4	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA	Predator	USEPA, 1990	Swimmer	Merritt and Cummins , 1996
HESPEROCORIXA INTERRUPTA	10344 6	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA				
HESPEROCORIXA LAEVIGATA	10345 2	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA				
HESPEROCORIXA OBLIQUA	10345 1	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA				
HESPEROCORIXA VULGARIS	10345 0	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA				
HESPEROCORIXA LUCIDA	10344 7	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA				
HESPEROCORIXA NITIDA	10344 9	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	HESPEROCORIXA		IL EPA				

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PALMACORIXA	10349 1	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	PALMACORIXA		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
PALMACORIXA BUENOI	10349 3	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	PALMACORIXA		IL EPA				
PALMACORIXA GILLETTII		ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	PALMACORIXA		IL EPA				
PALMACORIXA NANA	10349 7	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	PALMACORIXA		IL EPA				
RAMPHOCORIXA	10336 5	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	RAMPHOCORIXA		IL EPA	Predator	Merritt and Cummins , 1996	Swim mer	
RAMPHOCORIXA ACUMINATA	10336 6	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	RAMPHOCORIXA		IL EPA				
SIGARA MODESTA	10337 5	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	SIGARA		IL EPA				
SIGARA SIGNATA	10337 9	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	SIGARA		IL EPA				
SIGARA HUBBELLII	10338 3	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	SIGARA		IL EPA				
SIGARA COMPRESSOIDEA	10337 2	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	SIGARA		IL EPA				
SIGARA ALTERNATA	10337 0	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	SIGARA		IL EPA			Swim mer	RBP2 1999
SIGARA	10336 9	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	SIGARA		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
TRICHOCORIXA CALVA	10342 4	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	TRICHOCORIXA		IL EPA				
TRICHOCORIXA KANZA	10342 5	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	TRICHOCORIXA		IL EPA				
TRICHOCORIXA MACROCEPS	10342 7	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	TRICHOCORIXA		IL EPA				
TRICHOCORIXA	10342 3	ARTHROPOD A	INSECTA	HEMIPTERA	CORIXIDAE	TRICHOCORIXA		IL EPA	Predator		Swim mer	Merritt and Cummins , 1996
GERRIDAE	10380 1	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE			IL EPA	Predator	Merritt and Cummins , 1996	Skater	Merritt and Cummins , 1996
GERRIS	10382 9	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE	GERRIS		IL EPA	Predator	USEPA, 1990	Skater	Merritt and Cummins , 1996

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LIMNOGONUS	10385 3	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE	LIMNOGONUS		IL EPA	Predator	Merritt and Cummins , 1996	Skater	Merritt and Cummins , 1996
LIMNOGONUS HESIONE	10388 3	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE	LIMNOGONUS		IL EPA				
METROBATES	10385 7	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE	METROBATES		IL EPA	Predator	USEPA, 1990	Skater	Merritt and Cummins , 1996
RHEUMATOBATE S	10380 2	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE	RHEUMATOBATES		IL EPA	Predator	USEPA, 1990	Skater	Merritt and Cummins , 1996
TREPOBATES	10381 1	ARTHROPOD A	INSECTA	HEMIPTERA	GERRIDAE	TREPOBATES		IL EPA	Predator		Skater	Merritt and Cummins , 1996
HEBRIDAE	10396 4	ARTHROPOD A	INSECTA	HEMIPTERA	HEBRIDAE			IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
HEBRUS	10396 5	ARTHROPOD A	INSECTA	HEMIPTERA	HEBRIDAE	HEBRUS		IL EPA	Predator	Arizona DEQ	Climbe r	Merritt and Cummins , 1996
MERRAGATA	10398 3	ARTHROPOD A	INSECTA	HEMIPTERA	HEBRIDAE	MERRAGATA		IL EPA	Predator	USEPA, 1990	Skater	
MESOVELIIDAE	10395 3	ARTHROPOD A	INSECTA	HEMIPTERA	MESOVELIIDAE			IL EPA	Predator			
MESOVELIA	10395 4	ARTHROPOD A	INSECTA	HEMIPTERA	MESOVELIIDAE	MESOVELIA		IL EPA	Predator	USEPA, 1990	Skater	Merritt and Cummins , 1996
MESOVELIA MULSANTI	10395 6	ARTHROPOD A	INSECTA	HEMIPTERA	MESOVELIIDAE	MESOVELIA		IL EPA	Predator	RBP2 1999	Clinge r	RBP2 1999
NAUCORIDAE	10361 3	ARTHROPOD A	INSECTA	HEMIPTERA	NAUCORIDAE			IL EPA	Predator	Merritt and Cummins , 1996	Clinge r, Swim mer	Merritt and Cummins , 1996
PELOCORIS FEMORATUS	10366 7	ARTHROPOD A	INSECTA	HEMIPTERA	NAUCORIDAE	PELOCORIS		IL EPA	Predator	RBP2 1999	Climbe r	RBP2 1999
PELOCORIS	10366 5	ARTHROPOD A	INSECTA	HEMIPTERA	NAUCORIDAE	PELOCORIS		IL EPA	Predator		Climbe r	
NEPIDAE	10374 7	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE			IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996

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NEPA	10376 5	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE	NEPA		IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
NEPA APICULATA	10376 6	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE	NEPA		IL EPA				
RANATRA FUSCA	10375 5	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE	RANATRA		IL EPA	Predator	RBP2 1999		
RANATRA	10374 8	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE	RANATRA		IL EPA	Predator	Arizona DEQ	Climbe r	Merritt and Cummins , 1996
RANATRA KIRKALDYI	10375 1	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE	RANATRA		IL EPA	Predator	RBP2 1999		
RANATRA NIGRA	10375 4	ARTHROPOD A	INSECTA	HEMIPTERA	NEPIDAE	RANATRA		IL EPA	Predator	RBP2 1999	Swim mer	RBP2 1999
NOTONECTIDAE	10355 7	ARTHROPOD A	INSECTA	HEMIPTERA	NOTONECTIDAE			IL EPA	Predator	USEPA, 1990	Swim mer, Climbe r	Merritt et al., 1996
BUENOA	10358 3	ARTHROPOD A	INSECTA	HEMIPTERA	NOTONECTIDAE	BUENOA		IL EPA	Predator	USEPA, 1990	Swim mer	Merritt and Cummins , 1996
NOTONECTA	10355 8	ARTHROPOD A	INSECTA	HEMIPTERA	NOTONECTIDAE	NOTONECTA		IL EPA	Predator	Arizona DEQ	Swim mer	Merritt and Cummins , 1996
PLEIDAE	10360 2	ARTHROPOD A	INSECTA	HEMIPTERA	PLEIDAE			IL EPA	Predator	USEPA, 1990		
NEOPLEA STRIOLA	10360 4	ARTHROPOD A	INSECTA	HEMIPTERA	PLEIDAE	NEOPLEA		IL EPA		RBP2 1999	Climbe r	RBP2 1999
NEOPLEA	10360 3	ARTHROPOD A	INSECTA	HEMIPTERA	PLEIDAE	NEOPLEA		IL EPA	Predator	USEPA, 1990	Swim mer	Merritt and Cummins , 1996
VELIIDAE	10388 5	ARTHROPOD A	INSECTA	HEMIPTERA	VELIIDAE			IL EPA	Predator	Merritt and Cummins , 1996	Skater	Merritt and Cummins , 1996
MICROVELIA	10390 0	ARTHROPOD A	INSECTA	HEMIPTERA	VELIIDAE	MICROVELIA		IL EPA	Predator		Skater	Merritt and Cummins , 1996
RHAGOVELIA	10388 6	ARTHROPOD A	INSECTA	HEMIPTERA	VELIIDAE	RHAGOVELIA		IL EPA	Predator		Skater	Merritt and Cummins , 1996

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LEPIDOPTERA	11723 2	ARTHROPOD A	INSECTA	LEPIDOPTERA				IL EPA	Shredder			
PYRALIDAE	11764 1	ARTHROPOD A	INSECTA	LEPIDOPTERA	PYRALIDAE			IL EPA	Shredder		Climbe r, Clinge r, Swim mer	Merritt and Cummins , 1996
MUNROESSA	11767 2	ARTHROPOD A	INSECTA	LEPIDOPTERA	PYRALIDAE	MUNROESSA		IL EPA	Shredder	USEPA, 1990	Climbe r	
NYMPHULA	11765 9	ARTHROPOD A	INSECTA	LEPIDOPTERA	PYRALIDAE	NYMPHULA		IL EPA	Shredder	Merritt and Cummins , 1996	Climbe r, Swim mer	Merritt and Cummins , 1996
PARAPONYX	11764 2	ARTHROPOD A	INSECTA	LEPIDOPTERA	PYRALIDAE	PARAPONYX		IL EPA	Shredder		Climbe r	
PETROPHILA	11768 2	ARTHROPOD A	INSECTA	LEPIDOPTERA	PYRALIDAE	PETROPHILA	5	IL EPA	Scraper	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
SYNCLITA	11765 4	ARTHROPOD A	INSECTA	LEPIDOPTERA	PYRALIDAE	SYNCLITA		IL EPA	Shredder	Merritt and Cummins , 1996	Climbe r, Swim mer	Merritt and Cummins , 1996
MEGALOPTERA	11500 0	ARTHROPOD A	INSECTA	MEGALOPTERA			4	IL EPA				
CORYDALIDAE	11502 3	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE			IL EPA	Predator	Merritt and Cummins , 1996	Clinbe r, Climbe r	Merritt and Cummins , 1996
CHAULIODES PECTINICORNIS	11502 7	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	CHAULIODES	4	IL EPA	Predator	RBP2 1999		
CHAULIODES RASTRICORNIS	11502 5	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	CHAULIODES	4	IL EPA	Predator	RBP2 1999	Clinge r	RBP2 1999
CHAULIODES	11502 4	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	CHAULIODES	4	IL EPA	Predator		Clinge r	Merritt and Cummins , 1996
CORYDALUS	11503 3	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	CORYDALUS	3	IL EPA	Predator		Clinge r	
CORYDALUS CORNUTUS	11503 4	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	CORYDALUS	3	IL EPA	Predator	RBP2 1999	Clinge r	RBP2 1999
NIGRONIA FASCIATUS	11502 9	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	NIGRONIA	2	IL EPA	Predator	RBP2 1999		
NIGRONIA SERRICORNIS	11503 1	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	NIGRONIA	2	IL EPA	Predator	RBP2 1999	Clinge r	RBP2 1999
NIGRONIA	11502 8	ARTHROPOD A	INSECTA	MEGALOPTERA	CORYDALIDAE	NIGRONIA	2	IL EPA	Predator		Clinge r	

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SIALIDAE	115001	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE		4	IL EPA	Predator	USEPA, 1990	Burrower, Climber	Barbour et al., 1999
SIALIS INFUMATA	115008	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE	SIALIS	4	IL EPA				
SIALIS ITASCA	115012	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE	SIALIS	4	IL EPA				
SIALIS MOHRI	115010	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE	SIALIS	4	IL EPA	Predator	RBP2 1999		
SIALIS	115002	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE	SIALIS	4	IL EPA	Predator	Arizona DEQ	Burrower	Merritt and Cummins , 1996
SIALIS VAGANS	115009	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE	SIALIS	4	IL EPA				
SIALIS VELATA	115011	ARTHROPOD A	INSECTA	MEGALOPTERA	SIALIDAE	SIALIS	4	IL EPA				
NEUROPTERA	114999	ARTHROPOD A	INSECTA	NEUROPTERA				IL EPA	Predator	Merritt and Cummins , 1996	Climber, Clinger, Burrower	Merritt and Cummins , 1996
SISYRIDAE	115085	ARTHROPOD A	INSECTA	NEUROPTERA	SISYRIDAE		1	IL EPA	Predator		Climber	
CLIMACEA AREOLARIS		ARTHROPOD A	INSECTA	NEUROPTERA	SISYRIDAE	CLIMACIA	1	IL EPA				
CLIMACEA		ARTHROPOD A	INSECTA	NEUROPTERA	SISYRIDAE	CLIMACIA	1	IL EPA				
SISYRA VICARIA	115091	ARTHROPOD A	INSECTA	NEUROPTERA	SISYRIDAE	SISYRA	1	IL EPA				
SISYRA	115090	ARTHROPOD A	INSECTA	NEUROPTERA	SISYRIDAE	SISYRA	1	IL EPA	Predator			
ZYGOPTERA	102042	ARTHROPOD A	INSECTA	ODONATA			5	IL EPA	Predator	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
ODONATA	101593	ARTHROPOD A	INSECTA	ODONATA			4	IL EPA	Predator		Climber	Barbour et al., 1999
AESHNIDAE	101596	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE		4	IL EPA	Predator	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
AESCHNA UMBROSA	101604	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	AESCHNA	4	IL EPA				
AESCHNA CONSTRUCTA	101608	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	AESCHNA	4	IL EPA	Predator	USEPA 1990		

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AESCHNA CANADENSIS	10161 2	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	AESCHNA	4	IL EPA		Draft		
AESCHNA VERTICALIS	10160 6	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	AESCHNA	4	IL EPA				
AESCHNA	10160 2	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	AESCHNA	4	IL EPA	Predator	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
ANAX JUNIUS	10159 8	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	ANAX	5	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
ANAX	10159 7	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	ANAX	5	IL EPA	Predator	Arizona DEQ	Climber	Merritt and Cummins , 1996
BASIAESCHNA	10164 8	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	BASIAESCHNA	2	IL EPA	Predator	Merritt and Cummins , 1996	Climber	
BASIAESCHNA JANATA	10164 9	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	BASIAESCHNA	2	IL EPA	Predator	RBP2 1999		
BOYERIA VINOSA	10164 7	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	BOYERIA	3	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
BOYERIA	10164 5	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	BOYERIA	3	IL EPA	Predator		Climber	
EPIAESCHNA	10163 7	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	EPIAESCHNA	1	IL EPA	Predator	Merritt and Cummins , 1996	Climber, Sprawler	Merritt and Cummins , 1996
EPIAESCHNA HEROS	10163 8	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	EPIAESCHNA	1	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
NASIAESCHNA	10165 3	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	NASIAESCHNA	2	IL EPA	Predator	Merritt and Cummins , 1996	Climber, Clinger	Merritt and Cummins , 1996
NASIAESCHNA PENTACANTHA	10165 4	ARTHROPOD A	INSECTA	ODONATA	AESHNIDAE	NASIAESCHNA	2	IL EPA	Predator	RBP2 1999	Burrower	RBP2 1999
CALOPTERYGIDA E	10204 3	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E		4	IL EPA	Predator	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
CALOPTERYX MACULATA	10205 5	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E	CALOPTERYX	4	IL EPA	Predator	RBP2 1999		
CALOPTERYX AEQUABILIS	10205 6	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E	CALOPTERYX	4	IL EPA				
CALOPTERYX	10205 2	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E	CALOPTERYX	4	IL EPA	Predator		Climber	Merritt and Cummins

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
												, 1996
HETAERINA TITIA	10204 9	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E	HETAERINA	3	IL EPA	Predator	RBP2 1999	Climbe r	RBP2 1999
HETAERINA AMERICANA	10205 0	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E	HETAERINA	3	IL EPA	Predator	RBP2 1999		
HETAERINA	10204 8	ARTHROPOD A	INSECTA	ODONATA	CALOPTERYGIDA E	HETAERINA	3	IL EPA	Predator	Arizona DEQ	Climbe r	Merritt and Cummins , 1996
COENAGRIONIDA E	10207 7	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E		6	IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
AMPHIAGRION	10209 3	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	AMPHIAGRION	5	IL EPA	Predator		Climbe r	
AMPHIAGRION SAUCIUM	10209 5	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	AMPHIAGRION	5	IL EPA				
ANOMALAGRION	10209 1	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ANOMALAGRION	6	IL EPA	Predator	USEPA, 1990		
ANOMALAGRION HASTATUM	10209 2	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ANOMALAGRION	6	IL EPA	Predator	USEPA 1990 Draft		
ARGIA TIBIALIS	10214 8	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA	Predator	RBP2 1999	Climbe r	RBP2 1999
ARGIA	10213 9	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA	Predator	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
ARGIA APICALIS	10214 0	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA	Predator	RBP2 1999		
ARGIA BIPUNCTULATA	10214 1	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA				
ARGIA SEDULA	10214 7	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA	Predator	RBP2 1999		
ARGIA TRANSLATA	10214 9	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA				
ARGIA VIOLENCEA	10215 4	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA	Predator	RBP2 1999	Climbe r	RBP2 1999
ARGIA MOESTA	10214 6	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ARGIA	5	IL EPA	Predator	RBP2 1999		
CHROMAGRION CONDITUM	10213 4	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	CHROMAGRION	6	IL EPA				
CHROMAGRION	10213 3	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	CHROMAGRION	6	IL EPA	Predator		Climbe r	
COENAGRION	10215 5	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	COENAGRION	6	IL EPA	Predator		Climbe r	
ENALLAGMA GEMINATUM	10211 3	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
ENALLAGMA	10210 2	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA	Predator		Climber	Merritt and Cummins , 1996
ENALLAGMA ASPERSUM	10212 6	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA				
ENALLAGMA CIVILE	10212 2	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA				
ENALLAGMA EXSULANS	10211 2	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA				
ENALLAGMA HAGENI	10212 9	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA				
ENALLAGMA SIGNATUM	10211 5	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
ENALLAGMA TRAVIATUM	10211 6	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA				
ENALLAGMA VESPERUM	10211 9	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
ENALLAGMA DIVAGANS	10210 8	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ENALLAGMA	6	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
ISCHNURA	10207 8	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ISCHNURA	6	IL EPA	Predator		Climber	Merritt and Cummins , 1996
ISCHNURA POSITA	10208 2	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ISCHNURA	6	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
ISCHNURA VERTICALIS	10207 9	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	ISCHNURA	6	IL EPA				
NEHALENNIA	10213 5	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	NEHALENNIA	7	IL EPA	Predator		Climber	
NEHALENNIA GRACILIS	10213 8	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	NEHALENNIA	7	IL EPA				
NEHALENNIA IRENE	10213 7	ARTHROPOD A	INSECTA	ODONATA	COENAGRIONIDA E	NEHALENNIA	7	IL EPA				
CORDULEGASTRI DAE	10202 6	ARTHROPOD A	INSECTA	ODONATA	CORDULEGASTRI DAE		4	IL EPA	Predator	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
CORDULEGASTE R	10202 7	ARTHROPOD A	INSECTA	ODONATA	CORDULEGASTRI DAE	CORDULEGASTER	2	IL EPA	Predator	Arizona DEQ	Burrower	
CORDULEGASTE R MACULATA	10203 1	ARTHROPOD A	INSECTA	ODONATA	CORDULEGASTRI DAE	CORDULEGASTER	2	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
CORDULEGASTE R OBLIQUA	10203 2	ARTHROPOD A	INSECTA	ODONATA	CORDULEGASTRI DAE	CORDULEGASTER	2	IL EPA	Predator	USEPA 1990 Draft		
CORDULIIDAE	10202 0	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE		4	IL EPA	Predator	Merritt and Cummins	Sprawler, Climber	Merritt and Cummins

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
										, 1996	r	, 1996
CORDULIA SHURTLEFFI	102015	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	CORDULIA	2	IL EPA				
CORDULIA	102014	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	CORDULIA	2	IL EPA	Predator	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
EPICORDULIA	101862	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	EPICORDULIA	4	IL EPA	Predator	Merritt and Cummins , 1996	Climber, Sprawler	Merritt and Cummins , 1996
EPICORDULIA PRINCEPS	101863	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	EPICORDULIA	4	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
EPITHECA	102035	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	EPITHECA	4	IL EPA	Predator		Climber	
HELOCORDULIA	101878	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	HELOCORDULIA	2	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
NEUROCORDULIA	101934	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	NEUROCORDULIA	3	IL EPA	Predator	USEPA, 1990	Climber	
NEUROCORDULIA OBSOLETA	101939	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	NEUROCORDULIA	3	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
NEUROCORDULIA YAMASKANENSIS	101937	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	NEUROCORDULIA	3	IL EPA				
NEUROCORDULIA MOLESTA	101936	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	NEUROCORDULIA	3	IL EPA	Predator	RBP2 1999		
SOMATOCHLORA	101947	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	SOMATOCHLORA	1	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
SOMATOCHLORA LINEARIS	101949	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	SOMATOCHLORA	1	IL EPA	Predator	RBP2 1999		
SOMATOCHLORA TENEBROSA	101950	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	SOMATOCHLORA	1	IL EPA				
SOMATOCHLORA FILOSA	101956	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	SOMATOCHLORA	1	IL EPA				
TETRAGONEURIA	101994	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	TETRAGONEURIA	4	IL EPA	Predator	USEPA, 1990	Climber	
TETRAGONEURIA CYNOSURA	101996	ARTHROPOD A	INSECTA	ODONATA	CORDULIIDAE	TETRAGONEURIA	4	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
GOMPHIDAE	101664	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE		4	IL EPA	Predator	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996
ARIGOMPHUS	101770	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	ARIGOMPHUS	7	IL EPA	Predator	Merritt and Cummins	Burrower	Merritt and Cummins

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
DROMOGOMPHUS SPINOSUS	101732	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	DROMOGOMPHUS	4	IL EPA	Predator	RBP2 1999	Burrower	RBP2 1999
DROMOGOMPHUS	101730	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	DROMOGOMPHUS	4	IL EPA	Predator		Burrower	Merritt and Cummins , 1996
GOMPHUS NOTATUS	101687	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS AMNICOLA	101673	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS	101665	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA	Predator		Burrower	Merritt and Cummins , 1996
GOMPHUS PLAGIATUS	101690	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS VILLOSPES	101698	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS SPINICEPS	101694	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS LIVIDUS	101685	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA	Predator	RBP2 1999		
GOMPHUS LINEATIFRONS	101684	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS LENTULUS	101703	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS GRASLINELLUS	101700	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS EXTERNUS	101680	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA	Predator	USEPA 1990 Draft		
GOMPHUS QUADRICOLOR	101691	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS EXILIS	101679	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS CRASSUS	101676	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS SUBMEDIANUS	101695	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA				
GOMPHUS VASTUS	101697	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA	Predator	USEPA 1990 Draft		
GOMPHURUS	101777	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	GOMPHUS	7	IL EPA	Predator	Merritt and Cummins , 1996	Burrower	Merritt and Cummins , 1996

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
HAGENIUS BREVISTYLUS	10173 5	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	HAGENIUS	3	IL EPA	Predator	RBP2 1999	Burro wer	RBP2 1999
HAGENIUS	10173 4	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	HAGENIUS	3	IL EPA	Predator	Merritt and Cummins , 1996	Sprawl er	Merritt and Cummins , 1996
LANTHUS	10176 6	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	LANTHUS	6	IL EPA	Predator	Merritt and Cummins , 1996	Burro wer	Merritt and Cummins , 1996
OPHIOGOMPHUS	10173 8	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	OPHIOGOMPHUS	2	IL EPA	Predator	Arizona DEQ	Burro wer	Merritt and Cummins , 1996
OPHIOGOMPHUS RUPINSULENSIS	10174 0	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	OPHIOGOMPHUS	2	IL EPA				
PROGOMPHUS	10171 8	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	PROGOMPHUS	5	IL EPA	Predator	Arizona DEQ	Burro wer	
PROGOMPHUS OBSCURUS	10172 0	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	PROGOMPHUS	5	IL EPA	Predator	RBP2 1999	Burro wer	RBP2 1999
STYLOGOMPHUS ALBISTYLUS	10176 2	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	STYLOGOMPHUS	4	IL EPA	Predator	USEPA 1990 Draft		
STYLOGOMPHUS	10176 1	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	STYLOGOMPHUS	4	IL EPA	Predator		Burro wer	
STYLURUS	20662 6	ARTHROPOD A	INSECTA	ODONATA	GOMPHIDAE	STYLURUS	7	IL EPA	Predator	USEPA, 1990	Burro wer	
LESTIDAE	10205 8	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE		4	IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
ARCHILESTES GRANDIS	10206 0	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	ARCHILESTES	1	IL EPA				
ARCHILESTES	10205 9	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	ARCHILESTES	1	IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
LESTES VIGILAX	10207 2	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA				
LESTES	10206 1	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA	Predator	Arizona DEQ	Climbe r	Merritt and Cummins , 1996
LESTES DISJUNCTUS	10206 3	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA				
LESTES EURINUS	10207 3	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA				
LESTES FORCIPATUS	10206 7	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
LESTES INAEQUALIS	10206 9	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA				
LESTES RECTANGULARIS	10207 1	ARTHROPOD A	INSECTA	ODONATA	LESTIDAE	LESTES	6	IL EPA				
LIBELLULIDAE	10179 7	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE		4	IL EPA	Predator	Merritt and Cummins , 1996	Sprawl er	Merritt and Cummins , 1996
CELITHEMIS MONOMELAENA	10185 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	CELITHEMIS	2	IL EPA				
CELITHEMIS EPOGINA	10184 4	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	CELITHEMIS	2	IL EPA				
CELITHEMIS ELISA	10184 3	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	CELITHEMIS	2	IL EPA				
CELITHEMIS	10184 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	CELITHEMIS	2	IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
ERYTHEMIS SIMPLICICOLLIS	10186 6	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	ERYTHEMIS	5	IL EPA	Predator	RBP2 1999	Climbe r	RBP2 1999
ERYTHEMIS	10186 5	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	ERYTHEMIS	5	IL EPA	Predator	USEPA, 1990	Sprawl er	
ERYTHRODIPLAX	10187 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	ERYTHRODIPLAX	5	IL EPA	Predator	USEPA, 1990	Climbe r	
LADONA JULIA	10188 4	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LADONA	4	IL EPA				
LADONA	10188 1	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LADONA	4	IL EPA	Predator	Merritt and Cummins , 1996	Sprawl er	Merritt and Cummins , 1996
LEUCORRHINIA INTACTA	10188 8	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LEUCORRHINIA	4	IL EPA				
LEUCORRHINIA	10188 5	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LEUCORRHINIA	4	IL EPA	Predator	Merritt and Cummins , 1996	Climbe r	Merritt and Cummins , 1996
LIBELLULA VIBRANS	10190 4	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA	Predator	RBP2 1999	Sprawl er	RBP2 1999
LIBELLULA CYANEA	10189 9	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA				
LIBELLULA INCESTA	10190 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA	Predator	RBP2 1999		
LIBELLULA LUCTUOSA	10189 4	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA				
LIBELLULA PULCHELLA	10189 5	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA				
LIBELLULA QUADRIMACULAT	10189 6	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
A												
LIBELLULA SEMIFASCIATA	10190 3	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
LIBELLULA	10189 3	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	LIBELLULA	8	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
PACHYDIPLAX LONGIPENNIS	10179 9	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PACHYDIPLAX	8	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
PACHYDIPLAX	10179 8	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PACHYDIPLAX	8	IL EPA	Predator		Sprawler	
PANTALA HYMENAEA	10180 2	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PANTALA	7	IL EPA				
PANTALA	10180 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PANTALA	7	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
PANTALA FLAVESCENS	10180 1	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PANTALA	7	IL EPA				
PERITHEMIS TENERA	10180 4	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PERITHEMIS	4	IL EPA	Predator	RBP2 1999	Sprawler	RBP2 1999
PERITHEMIS	10180 3	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PERITHEMIS	4	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
PLATHEMIS	10180 8	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PLATHEMIS	3	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
PLATHEMIS LYDIA	10180 9	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	PLATHEMIS	3	IL EPA	Predator	RBP2 1999		
SYMPETRUM VICINUM	10197 9	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA				
SYMPETRUM	10197 6	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA	Predator		Sprawler	Merritt and Cummins , 1996
SYMPETRUM CORRUPTUM	10197 8	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA				
SYMPETRUM SEMICINCTUM	10199 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA				
SYMPETRUM AMBIGUUM	10197 7	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA	Predator	RBP2 1999		
SYMPETRUM RUBICUNDULUM	10198 3	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA				
SYMPETRUM OBSTRUSUM	10198 1	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	SYMPETRUM	4	IL EPA				
TRAMEA	10181	ARTHROPOD	INSECTA	ODONATA	LIBELLULIDAE	TRAMEA	4	IL EPA	Predator	Merritt	Sprawl	Merritt

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	8	A								and Cummins , 1996	er	and Cummins , 1996
TRAMEA ONUSTA	10182 3	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	TRAMEA	4	IL EPA				
TRAMEA CAROLINA	10182 0	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	TRAMEA	4	IL EPA	Predator	RBP2 1999		
TRAMEA LACERATA	10182 2	ARTHROPOD A	INSECTA	ODONATA	LIBELLULIDAE	TRAMEA	4	IL EPA				
MACROMIIDAE	10201 9	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE		4	IL EPA	Predator	USEPA, 1990	Sprawler	Merritt et al., 1996
DIDYMOPS TRANSVERSA	10185 2	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	DIDYMOPS	4	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
DIDYMOPS	10185 1	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	DIDYMOPS	4	IL EPA	Predator	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
MACROMIA ILLINOIENSIS	10192 1	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	MACROMIA	3	IL EPA	Predator	USEPA 1990 Draft		
MACROMIA PACIFICA	10192 3	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	MACROMIA	3	IL EPA				
MACROMIA TAENIOLATA	10192 2	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	MACROMIA	3	IL EPA	Predator	RBP2 1999		
MACROMIA	10191 8	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	MACROMIA	3	IL EPA	Predator	Arizona DEQ	Sprawler	
MACROMIA GEORGINA	10192 4	ARTHROPOD A	INSECTA	ODONATA	MACROMIIDAE	MACROMIA	3	IL EPA	Predator	RBP2 1999	Climber	RBP2 1999
PLECOPTERA	10246 7	ARTHROPOD A	INSECTA	PLECOPTERA			2	IL EPA	Predator		Clinger	Barbour et al., 1999
CAPNIIDAE	10264 3	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE		2	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler, Clinger	Merritt and Cummins , 1996
ALLOCAPNIA	10264 4	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	ALLOCAPNIA	2	IL EPA	Shredder		Clinger	
ALLOCAPNIA MYSTICA	10265 0	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	ALLOCAPNIA	2	IL EPA				
ALLOCAPNIA RECTA	10265 2	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	ALLOCAPNIA	2	IL EPA				
ALLOCAPNIA VIVIPARA	10265 7	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	ALLOCAPNIA	2	IL EPA	Shredder	USEPA 1990 Draft		
CAPNIA	10268 8	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	CAPNIA	1	IL EPA	Shredder		Sprawler	
CAPNIA VERNALIS	10269 6	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	CAPNIA	1	IL EPA				

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PARACAPNIA OPIS	10280 6	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	PARACAPNIA	2	IL EPA				
PARACAPNIA ANGULATA	10280 5	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	PARACAPNIA	2	IL EPA				
PARACAPNIA	10280 4	ARTHROPOD A	INSECTA	PLECOPTERA	CAPNIIDAE	PARACAPNIA	2	IL EPA	Shredder		Sprawler	
CHLOROPERLIDA E	10320 2	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E		2	IL EPA	Predator	Arizona DEQ	Clinger	Merritt and Cummins , 1996
ALLOPERLA	10320 3	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E	ALLOPERLA	2	IL EPA	Predator		Clinger	
CHLOROPERLA	10295 8	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E	HAPLOPERLA	3	IL EPA				
HASTAPERLA BREVIS	10326 5	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E	HAPLOPERLA	2	IL EPA				
HASTAPERLA	10326 1	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E	HAPLOPERLA	2	IL EPA	Scraper	USEPA, 1990		
RASVENA TERNA	10327 1	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E	RASVENA	2	IL EPA	Collector	USEPA 1990 Draft		
RASVENA	10327 0	ARTHROPOD A	INSECTA	PLECOPTERA	CHLOROPERLIDA E	RASVENA	2	IL EPA				
LEUCTRIDAE	10284 0	ARTHROPOD A	INSECTA	PLECOPTERA	LEUCTRIDAE		2	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler, Clinger	Merritt and Cummins , 1996
LEUCTRA	10284 4	ARTHROPOD A	INSECTA	PLECOPTERA	LEUCTRIDAE	LEUCTRA	1	IL EPA	Shredder		Clinger	
NEMOURIDAE	10251 7	ARTHROPOD A	INSECTA	PLECOPTERA	NEMOURIDAE		2	IL EPA	Shredder	Arizona DEQ	Sprawler, Clinger	Merritt and Cummins , 1996
AMPHINEMURA	10254 0	ARTHROPOD A	INSECTA	PLECOPTERA	NEMOURIDAE	AMPHINEMURA	2	IL EPA	Shredder	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
NEMOURA	10252 6	ARTHROPOD A	INSECTA	PLECOPTERA	NEMOURIDAE	NEMOURA	1	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler	
NEMOURA VENOSA	10253 4	ARTHROPOD A	INSECTA	PLECOPTERA	NEMOURIDAE	NEMOURA	1	IL EPA				
PROSTOIA	10258 4	ARTHROPOD A	INSECTA	PLECOPTERA	NEMOURIDAE	PROSTOIA	2	IL EPA	Shredder		Sprawler	
SOYEDINA	10255 6	ARTHROPOD A	INSECTA	PLECOPTERA	NEMOURIDAE	SOYEDINA	2	IL EPA	Shredder		Sprawler	
PERLIDAE	10291	ARTHROPOD	INSECTA	PLECOPTERA	PERLIDAE		2	IL EPA	Predator	Merritt	Clinger	Merritt

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	4	A								and Cummins , 1996	r	and Cummins , 1996
ACRONEURIA INTERNATA	102925	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator	USEPA 1990 Draft		
ACRONEURIA LYCORIAS	102918	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator	RBP2 1999		
ACRONEURIA CAROLINENSIS	102922	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator	USEPA 1990 Draft		
ACRONEURIA ARIDA	102921	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator	USEPA 1990 Draft		
ACRONEURIA ABNORMIS	102919	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator	RBP2 1999		
ACRONEURIA EVOLUTA	102923	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator	USEPA 1990 Draft		
ACRONEURIA	102917	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ACRONEURIA	1	IL EPA	Predator		Clinger	Merritt and Cummins , 1996
ATTANEURIA RURALIS	102955	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ATTANEURIA	2	IL EPA	Predator	RBP2 1999	Clinger	RBP2 1999
ATTANEURIA	102954	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	ATTANEURIA	2	IL EPA				
NEOPERLA	102942	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	NEOPERLA	1	IL EPA	Predator		Clinger	
NEOPERLA CLYMENE	102944	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	NEOPERLA	1	IL EPA	Predator	RBP2 1999		
PARAGNETINA	102962	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PARAGNETINA	2	IL EPA	Predator		Clinger	
PARAGNETINA MEDIA	102968	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PARAGNETINA	2	IL EPA	Predator	USEPA 1990 Draft		
PERLESTA PLACIDA	103253	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PERLESTA	4	IL EPA		RBP2 1999		
PERLESTA	103251	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PERLESTA	4	IL EPA	Predator		Clinger	Merritt and Cummins , 1996
ATOPERLA	103245	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PERLINELLA	1	IL EPA				
PERLINELLA	103244	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PERLINELLA	2	IL EPA	Predator		Clinger	
PERLINELLA DRYMO	103246	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PERLINELLA	2	IL EPA	Predator	RBP2 1999	Clinger	RBP2 1999

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PERLINELLA EPHYRE	10324 8	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PERLINELLA	2	IL EPA	Predator	RBP2 1999	Clinger	RBP2 1999
PHASGANOPHOR A	10297 8	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PHASGANOPHORA	2	IL EPA	Predator	USEPA, 1990		
PHASGANOPHOR A CAPITATA	10298 1	ARTHROPOD A	INSECTA	PLECOPTERA	PERLIDAE	PHASGANOPHORA	2	IL EPA				
PERLODIDAE	10299 4	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE				Predator	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
HYDROPERLA	10307 1	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	HYDROPERLA	1	IL EPA	Predator	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
HYDROPERLA CROSBYI	10310 8	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	HYDROPERLA	1	IL EPA				
ISOGENOIDES	10312 4	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOGENOIDES	2	IL EPA	Predator	Merritt and Cummins , 1996		
ISOPERLA LATA	10301 5	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA RICHARDSONI	10303 3	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA MARLYNIA	10302 3	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA DICALA	10302 1	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA COTTA	10301 4	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA CLIO	10312 0	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA BILINEATA	10301 2	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
ISOPERLA	10299 5	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA	Predator	Arizona DEQ	Clinger	Merritt and Cummins , 1996
ISOPERLA NANA	10303 2	ARTHROPOD A	INSECTA	PLECOPTERA	PERLODIDAE	ISOPERLA	2	IL EPA				
PTERONARCYS	10247 1	ARTHROPOD A	INSECTA	PLECOPTERA	PTERONARCYDAE	PTERONARCYS	2	IL EPA	Shredder		Clinger	Merritt and Cummins , 1996
TAENIOPTERYGIAE	10278 8	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGIAE				Shredder	Arizona DEQ	Sprawler, Clinger	Merritt and Cummins , 1996

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OEMOPTERYX	10283 0	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	OEMOPTERYX	2	IL EPA	Shredder	USEPA, 1990	Sprawl er	
OEMOPTERYX GLACIALIS	10283 1	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	OEMOPTERYX	2	IL EPA				
STROPHOPTERY X	10280 8	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	STROPHOPTERYX	2	IL EPA			Sprawl er	
STROPHOPTERY X FASCIATA	10280 9	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	STROPHOPTERYX	2	IL EPA	Shredder	USEPA 1990 Draft		
TAENIOPTERYX	10278 9	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	TAENIOPTERYX	2	IL EPA	Shredder		Sprawl er	Merritt and Cummins , 1996
TAENIOPTERYX PARVULA	10279 6	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	TAENIOPTERYX	2	IL EPA	Shredder	USEPA 1990 Draft		
TAENIOPTERYX NIVALIS	10279 8	ARTHROPOD A	INSECTA	PLECOPTERA	TAENIOPTERYGI DAE	TAENIOPTERYX	2	IL EPA	Shredder	USEPA 1990 Draft		
TRICHOPTERA	11509 5	ARTHROPOD A	INSECTA	TRICHOPTERA			4	IL EPA			Sprawl er	Barbour et al., 1999
BRACHYCENTRID AE	11690 5	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE		4	IL EPA	Filterer		Clinbe r, Climbe r	Merritt and Cummins , 1996
BRACHYCEN TRUS NUMEROSUS	11691 0	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	BRACHYCEN TRUS	1	IL EPA	Filterer	USEPA 1990 Draft		
BRACHYCEN TRUS	11690 6	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	BRACHYCEN TRUS	1	IL EPA	Filterer	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
BRACHYCEN TRUS LATERALIS	11691 4	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	BRACHYCEN TRUS	1	IL EPA	Filterer	USEPA 1990 Draft		
BRACHYCEN TRUS OCCIDENTALIS	11691 8	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	BRACHYCEN TRUS	1	IL EPA	Filterer	RBP2 1999	Clinge r	RBP2 1999
BRACHYCEN TRUS AMERICANUS	11691 2	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	BRACHYCEN TRUS	1	IL EPA	Filterer	RBP2 1999		
MICRASEMA	11695 8	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	MICRASEMA	4	IL EPA	Macrophyte Herbivore	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
MICRASEMA RUSTICUM	11696 1	ARTHROPOD A	INSECTA	TRICHOPTERA	BRACHYCENTRID AE	MICRASEMA	4	IL EPA		RBP2 1999		
GLOSSOSOMATID AE	11712 0	ARTHROPOD A	INSECTA	TRICHOPTERA	GLOSSOSOMATI DAE		4	IL EPA	Scraper	Merritt and Cummins	Clinge r	Merritt and Cummins

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										, 1996		, 1996
AGAPETUS	11712 1	ARTHROPOD A	INSECTA	TRICHOPTERA	GLOSSOSOMATI DAE	AGAPETUS	2	IL EPA	Scraper	Arizona DEQ	Clinge r	
AGAPETUS ILLINI	11713 2	ARTHROPOD A	INSECTA	TRICHOPTERA	GLOSSOSOMATI DAE	AGAPETUS	2	IL EPA				
GLOSSOSOMA INTERMEDIUM	11716 2	ARTHROPOD A	INSECTA	TRICHOPTERA	GLOSSOSOMATI DAE	GLOSSOSOMA	4	IL EPA	Scraper	RBP2 1999		
GLOSSOSOMA	11715 9	ARTHROPOD A	INSECTA	TRICHOPTERA	GLOSSOSOMATI DAE	GLOSSOSOMA	4	IL EPA	Scraper	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
PROTOPTILA	11522 1	ARTHROPOD A	INSECTA	TRICHOPTERA	GLOSSOSOMATI DAE	PROTOPTILA	1	IL EPA	Scraper	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
HELICOPSYCHID AE	11701 5	ARTHROPOD A	INSECTA	TRICHOPTERA	HELICOPSYCHID AE		4	IL EPA	Scraper		Clinge r	Barbour et al., 1999
HELICOPSYCHE	11701 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HELICOPSYCHID AE	HELICOPSYCHE	2	IL EPA	Scraper	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
HELICOPSYCHE BOREALIS	11702 0	ARTHROPOD A	INSECTA	TRICHOPTERA	HELICOPSYCHID AE	HELICOPSYCHE	2	IL EPA	Scraper	RBP2 1999		
HYDROPSYCHIDA E	11539 8	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E		6	IL EPA	Filterer	Arizona DEQ	Clinge r	Merritt and Cummins , 1996
CERATOPSYCHE	11557 0	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA	Filterer		Clinge r	Merritt and Cummins , 1996
CERATOPSYCHE SLOSSONAE	11558 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	5	IL EPA				
CERATOPSYCHE CHEILONIS	11559 9	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA				
CERATOPSYCHE BRONTA	11557 7	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA				
CERATOPSYCHE MOROSA	11558 0	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA				
CERATOPSYCHE SPARNA	11558 9	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA				
CERATOPSYCHE RECURVATA		ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA				
CERATOPSYCHE ALHEDRA	11559 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CERATOPSYCHE	4	IL EPA				
CHEUMATOPSYC HE	11540 8	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	CHEUMATOPSYCHE	6	IL EPA	Filterer	Arizona DEQ	Clinge r	Merritt and

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												Cummins , 1996
DIPLECTRONA MODESTA	11540 2	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	DIPLECTRONA	2	IL EPA	Filterer	RBP2 1999	Clinge r	RBP2 1999
DIPLECTRONA METAQUI	11540 1	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	DIPLECTRONA	2	IL EPA				
DIPLECTRONA	11539 9	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	DIPLECTRONA	2	IL EPA	Filterer		Clinge r	
HYDROPSYCHE FRISONI	11546 8	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE PLACODA	11548 7	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	4	IL EPA				
HYDROPSYCHE VALANIS	11548 2	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE SIMULANS	11548 1	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE SLOSSONAE	11558 7	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE SCALARIS	11548 0	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE VENULARIS	11548 4	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE PHALERATA	11547 7	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	2	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE ORRIS	11548 5	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	4	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE MOROSA	11558 1	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE HAGENI	11546 9	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA				
HYDROPSYCHE DICANTHA	11546 5	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE CUANIS	11546 1	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA				
HYDROPSYCHE BRONTA	11557 8	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	4	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE	11558	ARTHROPOD	INSECTA	TRICHOPTERA	HYDROPSYCHIDA	HYDROPSYCHE	4	IL EPA				

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BIFIDA	5	A			E							
HYDROPSYCHE BIDENS	11545 8	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA				
HYDROPSYCHE BETTENI	11545 4	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	RBP2 1999		
HYDROPSYCHE ARINALE	11545 7	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA				
HYDROPSYCHE AERATA	11545 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	USEPA 1990 Draft		
HYDROPSYCHE	11545 3	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA	Filterer	Arizona DEQ	Clinger	Merritt and Cummins , 1996
HYDROPSYCHE INCOMMODA	11547 1	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	HYDROPSYCHE	5	IL EPA				
MACRONEMA	11560 5	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	MACRONEMA	2	IL EPA	Filterer	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
MACROSTEMUM	11560 3	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	MACRONEMA	3	IL EPA	Filterer	RBP2 1999		
MACRONEMA ZEBRATUM	11557 2	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	MACRONEMA	2	IL EPA	Filterer	USEPA 1990 Draft		
PARAPSYCHE APICALIS	11555 7	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	PARAPSYCHE	6	IL EPA				
PARAPSYCHE	11555 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	PARAPSYCHE	6	IL EPA	Predator		Clinger	
POTAMYIA FLAVA	11555 2	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	POTAMYIA	4	IL EPA	Filterer	RBP2 1999		
POTAMYIA	11555 1	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	POTAMYIA	4	IL EPA	Filterer		Clinger	Merritt and Cummins , 1996
SYMPHIOTPSYCH E	11556 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPSYCHIDA E	SYMPHIOTPSYCHE	4	IL EPA				
HYDROPTILIDAE	11562 9	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE				Piercer Herbivor e	Wyoming data	Climber, Climber	Merritt and Cummins , 1996
AGRYLEA MULTIPUNCTATA	11563 6	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	AGRYLEA	2	IL EPA				
AGRYLEA	11563 5	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	AGRYLEA	2	IL EPA	Piercer Herbivor e		Climber	Merritt and Cummins , 1996
HYDROPTILA	11564	ARTHROPOD	INSECTA	TRICHOPTERA	HYDROPTILIDAE	HYDROPTILA	2	IL EPA	Scraper	Arizona	Clinger	Merritt

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	1	A								DEQ	r	and Cummins , 1996
ITHYTRICHIA	115823	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	ITHYTRICHIA		1 IL EPA	Scraper	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
LEUCOTRICHIA PICTIPES	115631	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	LEUCOTRICHIA	3	IL EPA				
LEUCOTRICHIA	115630	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	LEUCOTRICHIA	3	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
MAYATRICHIA AYAMA	115812	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	MAYATRICHIA	1	IL EPA	Scraper	RBP2 1999	Clinger	RBP2 1999
MAYATRICHIA	115811	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	MAYATRICHIA	1	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
NEOTRICHIA	115833	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	NEOTRICHIA	4	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
OCHROTRICHIA	115714	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	OCHROTRICHIA	4	IL EPA	Collector	Arizona DEQ	Clinger	Merritt and Cummins , 1996
ORTHOTRICHIA	115828	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	ORTHOTRICHIA	1	IL EPA	Scraper		Clinger	
OXYETHIRA	115779	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	OXYETHIRA	2	IL EPA	Macrophyte Herbivore	Arizona DEQ	Climber	Merritt and Cummins , 1996
STACTOBIELLA PALMATA	115821	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	STACTOBIELLA	4	IL EPA				
STACTOBIELLA	115817	ARTHROPOD A	INSECTA	TRICHOPTERA	HYDROPTILIDAE	STACTOBIELLA	4	IL EPA	Shredder		Clinger	
LEPIDOSTOMATI DAE	116793	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPIDOSTOMATI DAE			4 IL EPA	Shredder	Merritt and Cummins , 1996	Climber, Sprawler, Clinger	Merritt and Cummins , 1996
LEPIDOSTOMA	116794	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPIDOSTOMATI DAE	LEPIDOSTOMA	3	IL EPA	Shredder	Arizona DEQ	Climber	Merritt and Cummins , 1996
LEPIDOSTOMA LIBA	116823	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPIDOSTOMATI DAE	LEPIDOSTOMA	3	IL EPA				

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LEPTOCERIDAE	116547	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE		4	IL EPA	Collector	Arizona DEQ	Climber, Swimmer	Barbour et al., 1999
CERACLEA CANCELLOTA		ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA DILUTA		ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA FLAVA	116705	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA MACULATA	116725	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA NEPHA	116710	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA RESURGENS	116714	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA ANCYLUS	116696	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA				
CERACLEA	116684	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	CERACLEA	3	IL EPA	Collector		Sprawler	Merritt and Cummins , 1996
LEPTOCERUS AMERICANUS	116678	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	LEPTOCERUS	3	IL EPA				
LEPTOCERUS	116677	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	LEPTOCERUS	3	IL EPA	Shredder	Merritt and Cummins , 1996	Swimmer, Climber	Merritt and Cummins , 1996
MYSTACIDES	116598	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	MYSTACIDES	2	IL EPA	Collector	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
MYSTACIDES SEPULCHRALIS	116599	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	MYSTACIDES	2	IL EPA		USEPA 1990 Draft		
NECTOPSYCHE EXQUISITA	116659	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	NECTOPSYCHE	3	IL EPA		RBP2 1999		
NECTOPSYCHE	116651	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	NECTOPSYCHE	3	IL EPA	Shredder	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
NECTOPSYCHE ALBIDA	116653	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	NECTOPSYCHE	3	IL EPA				
NECTOPSYCHE PAVIDA	116660	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	NECTOPSYCHE	3	IL EPA		RBP2 1999		
NECTOPSYCHE DIARINA	116663	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	NECTOPSYCHE	3	IL EPA				
NECTOPSYCHE	116666	ARTHROPOD	INSECTA	TRICHOPTERA	LEPTOCERIDAE	NECTOPSYCHE	3	IL EPA		RBP2		

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CANDIDA	1	A								1999		
OECETIS CINERASCENS	11660 9	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	OECETIS	5	IL EPA	Predator	USEPA 1990 Draft		
OECETIS INCONSPICUA	11661 3	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	OECETIS	5	IL EPA	Predator	USEPA 1990 Draft		
OECETIS	11660 7	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	OECETIS	5	IL EPA	Predator	Arizona DEQ	Clinger	Merritt and Cummins , 1996
OECETIS EDDLESTONI	11661 2	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	OECETIS	5	IL EPA	Predator	USEPA 1990 Draft		
OECETIS AVARA	11660 8	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	OECETIS	5	IL EPA	Predator	USEPA 1990 Draft		
OECETIS OCHRACEA	11663 2	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	OECETIS	5	IL EPA				
SETODES	11654 8	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	SETODES	4	IL EPA		RBP2 1999	Sprawler	
TRIAENODES	11656 5	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	TRIAENODES	3	IL EPA	Macrophyte Herbivore	Arizona DEQ	Swimmer	Merritt and Cummins , 1996
TRIAENODES INJUSTUS	11657 2	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	TRIAENODES	3	IL EPA				
TRIAENODES MARGINATUS	11657 5	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	TRIAENODES	3	IL EPA	Shredder	RBP2 1999		
TRIAENODES TARDUS	11658 0	ARTHROPOD A	INSECTA	TRICHOPTERA	LEPTOCERIDAE	TRIAENODES	3	IL EPA	Shredder	RBP2 1999		
LIMNEPHILIDAE	11593 3	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE		4	IL EPA	Shredder	Arizona DEQ	Climber, Sprawler, Clinger	Merritt and Cummins , 1996
ANABOLIA	11595 6	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	ANABOLIA	4	IL EPA	Shredder	Merritt and Cummins , 1996	Climber, Sprawler	Merritt and Cummins , 1996
FRENESIA	11630 3	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	FRENESIA	4	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
FRENESIA MISSA	11630 4	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	FRENESIA	4	IL EPA				
GOERA	11642	ARTHROPOD	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	GOERA	4	IL EPA	Scraper	Merritt	Clinger	Merritt

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	3	A								and Cummins , 1996	r	and Cummins , 1996
HESPEROPHYLA X DESIGNATUS	11600 8	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	HESPEROPHYLAX	4	IL EPA	Shredder	USEPA 1990 Draft		
HESPEROPHYLA X	11600 1	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	HESPEROPHYLAX	4	IL EPA	Shredder	Arizona DEQ	Sprawler	Merritt and Cummins , 1996
HYDATOPHYLAX	11599 5	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	HYDATOPHYLAX	2	IL EPA	Shredder		Sprawler	Merritt and Cummins , 1996
HYDATOPHYLAX ARGUS	11599 7	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	HYDATOPHYLAX	2	IL EPA	Shredder	RBP2 1999	Sprawler	RBP2 1999
IRONOQUIA	11638 2	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	IRONOQUIA	4	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
LEPTOPHYLAX	11634 5	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	LEPTOPHYLAX	4	IL EPA	Shredder	Merritt et al., 1996	Sprawler	Merritt and Cummins , 1996
LIMNEPHILUS	11606 9	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	LIMNEPHILUS	3	IL EPA	Shredder	Arizona DEQ	Climber	Merritt and Cummins , 1996
NEOPHYLAX CONCINNUS	11604 7	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	NEOPHYLAX	3	IL EPA				
NEOPHYLAX	11604 6	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	NEOPHYLAX	3	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
PLATYCENTROPUS RADIATUS	11640 8	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PLATYCENTROPUS	3	IL EPA				
PLATYCENTROPUS	11640 7	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PLATYCENTROPUS	3	IL EPA	Shredder	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
PSEUDOSTENOPHYLAX	11598 9	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PSEUDOSTENOPHYLAX	4	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
PSEUDOSTENOPHYLAX UNIFORMIS	11599 1	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PSEUDOSTENOPHYLAX	4	IL EPA				
PYCNOPSYCHE GUTTIFER	11641 4	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PYCNOPSYCHE	3	IL EPA	Shredder	RBP2 1999	Sprawler	RBP2 1999

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PYCNOPSYCHE SUBFASCIATA	11641 9	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PYCNOPSYCHE	3	IL EPA	Shredder	USEPA 1990 Draft		
PYCNOPSYCHE SCABRIPENNIS	11641 7	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PYCNOPSYCHE	3	IL EPA	Shredder	RBP2 1999		
PYCNOPSYCHE LEPIDA	11641 6	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PYCNOPSYCHE	3	IL EPA				
PYCNOPSYCHE	11640 9	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PYCNOPSYCHE	3	IL EPA	Shredder		Sprawler	Merritt and Cummins , 1996
PYCNOPSYCHE LUCULENTA	11641 0	ARTHROPOD A	INSECTA	TRICHOPTERA	LIMNEPHILIDAE	PYCNOPSYCHE	3	IL EPA				
MOLANNIDAE	11647 3	ARTHROPOD A	INSECTA	TRICHOPTERA	MOLANNIDAE		4	IL EPA	Collector	Merritt et al., 1996	Sprawler	Merritt and Cummins , 1996
MOLANNA BLENDIA	11647 8	ARTHROPOD A	INSECTA	TRICHOPTERA	MOLANNIDAE	MOLANNA	4	IL EPA				
MOLANNA TRYPHENA	11647 9	ARTHROPOD A	INSECTA	TRICHOPTERA	MOLANNIDAE	MOLANNA	4	IL EPA			Sprawler	RBP2 1999
MOLANNA	11647 4	ARTHROPOD A	INSECTA	TRICHOPTERA	MOLANNIDAE	MOLANNA	4	IL EPA	Scraper		Sprawler	
MOLANNA UNIOPHILA	11647 7	ARTHROPOD A	INSECTA	TRICHOPTERA	MOLANNIDAE	MOLANNA	4	IL EPA				
PHILOPOTAMIDA E	11525 7	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E		4	IL EPA	Filterer	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
CHIMARRA	11527 3	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	CHIMARRA	3	IL EPA	Filterer	Arizona DEQ	Clinger	Merritt and Cummins , 1996
CHIMARRA ATERRIMA	11527 8	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	CHIMARRA	3	IL EPA	Filterer	USEPA 1990 Draft		
CHIMARRA FERIA	11527 5	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	CHIMARRA	3	IL EPA	Filterer	USEPA 1990 Draft		
CHIMARRA OBSCURA	11527 6	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	CHIMARRA	3	IL EPA	Filterer	USEPA 1990 Draft		
CHIMARRA SOCIA	11527 9	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	CHIMARRA	3	IL EPA	Filterer	USEPA 1990 Draft		
DOLOPHIODES	11531 9	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	DOLOPHIODES	0	IL EPA	Collector		Clinger	Merritt and Cummins , 1996

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DOLOPHIODES DISTINCTUS	11532 2	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	DOLOPHIODES	0	IL EPA				
WORMALDIA SHAWNEE	11526 9	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	WORMALDIA	4	IL EPA				
WORMALDIA	11525 8	ARTHROPOD A	INSECTA	TRICHOPTERA	PHILOPOTAMIDA E	WORMALDIA	4	IL EPA	Filterer	Arizona DEQ	Clinger	Merritt and Cummins , 1996
PHRYGANEIDAE	11586 7	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE		4	IL EPA	Shredder	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
AGRYPNIA	11588 2	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	AGRYPNIA	3	IL EPA	Shredder	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
AGRYPNIA VESTITA	11588 4	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	AGRYPNIA	3	IL EPA				
BANKSIOLA CROTCHI	11591 2	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	BANKSIOLA	2	IL EPA				
BANKSIOLA	11591 1	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	BANKSIOLA	2	IL EPA	Shredder	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
FABRIA INORNATUS	11588 8	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	FABRIA	4	IL EPA				
FABRIA	11588 7	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	FABRIA	4	IL EPA	Shredder	Merritt and Cummins , 1996	Climber	Merritt and Cummins , 1996
OLIGOSTOMIS OCELLIGERA	11590 1	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	OLIGOSTOMIS	4	IL EPA	Predator	USEPA 1990 Draft		
OLIGOSTOMIS	11590 0	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	OLIGOSTOMIS	4	IL EPA	Predator		Climber	Merritt and Cummins , 1996
PHRYGANEA	11589 2	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	PHRYGANEA	3	IL EPA		RBP2 1999	Climber	Merritt and Cummins , 1996
PTILOSTOMIS	11586 8	ARTHROPOD A	INSECTA	TRICHOPTERA	PHRYGANEIDAE	PTILOSTOMIS	3	IL EPA	Shredder		Climber	Merritt and Cummins , 1996
POLYCENTROPO DIDAE	11704 3	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE		4	IL EPA	Filterer		Clinger	Merritt and Cummins , 1996

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CYRNELLUS	11709 1	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	CYRNELLUS	5	IL EPA	Filterer		Clinger	Merritt and Cummins , 1996
CYRNELLUS FRATERNUS	11709 2	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	CYRNELLUS	5	IL EPA	Filterer	RBP2 1999		
NEURECLIPSIS BIMACULATA	11709 6	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	NEURECLIPSIS	3	IL EPA	Filterer	USEPA 1990 Draft		
NEURECLIPSIS CREPUSCULARIS	11709 8	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	NEURECLIPSIS	3	IL EPA	Filterer	USEPA 1990 Draft		
NEURECLIPSIS	11709 5	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	NEURECLIPSIS	3	IL EPA	Filterer		Clinger	Merritt and Cummins , 1996
NYCTIOPHYLAX	11710 4	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	NYCTIOPHYLAX	1	IL EPA	Filterer		Clinger	
PHYLOCENTROP US	11536 1	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	PHYLOCENTROPUS	4	IL EPA	Filterer		Burro wer	
PHYLOCENTROP US PLACIDUS	11536 4	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	PHYLOCENTROPUS	4	IL EPA				
POLYCENTROPU S	11704 4	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	Arizona DEQ	Clinger	Merritt and Cummins , 1996
POLYCENTROPU S CENTRALIS	11704 8	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	USEPA 1990 Draft		
POLYCENTROPU S CINEREUS	11705 0	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	USEPA 1990 Draft		
POLYCENTROPU S FLAVUS	11706 2	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	USEPA 1990 Draft		
POLYCENTROPU S GLACIALIS	11706 3	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	USEPA 1990 Draft		
POLYCENTROPU S INTERRUPTUS		ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	USEPA 1990 Draft		
POLYCENTROPU S REMOTUS	11706 4	ARTHROPOD A	INSECTA	TRICHOPTERA	POLYCENTROPO DIDAE	POLYCENTROPUS	3	IL EPA	Predator	USEPA 1990 Draft		
PSYCHOMYIIDAE	11533 4	ARTHROPOD A	INSECTA	TRICHOPTERA	PSYCHOMYIIDAE		4	IL EPA	Collector	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
LYPE	11539 1	ARTHROPOD A	INSECTA	TRICHOPTERA	PSYCHOMYIIDAE	LYPE	4	IL EPA	Scraper		Clinger	
LYPE DIVERSA	11539 2	ARTHROPOD A	INSECTA	TRICHOPTERA	PSYCHOMYIIDAE	LYPE	4	IL EPA	Scraper	RBP2 1999		
PSYCHOMYIA	11533 5	ARTHROPOD A	INSECTA	TRICHOPTERA	PSYCHOMYIIDAE	PSYCHOMYIA	2	IL EPA	Scraper	Arizona DEQ	Clinger	Merritt and Cummins , 1996
PSYCHOMYIA FLAVIDA	11534 1	ARTHROPOD A	INSECTA	TRICHOPTERA	PSYCHOMYIIDAE	PSYCHOMYIA	2	IL EPA	Collector	USEPA 1990 Draft		
RHYACOPHILIDA E	11509 6	ARTHROPOD A	INSECTA	TRICHOPTERA	RHYACOPHILIDA E		4	IL EPA	Predator	Merritt and Cummins , 1996	Clinger	Merritt and Cummins , 1996
RHYACOPHILA	11509 7	ARTHROPOD A	INSECTA	TRICHOPTERA	RHYACOPHILIDA E	RHYACOPHILA	1	IL EPA	Predator	Arizona DEQ	Clinger	Merritt and Cummins , 1996
RHYACOPHILA FENESTRA	11513 2	ARTHROPOD A	INSECTA	TRICHOPTERA	RHYACOPHILIDA E	RHYACOPHILA	1	IL EPA				
RHYACOPHILA FUSCULA	11513 3	ARTHROPOD A	INSECTA	TRICHOPTERA	RHYACOPHILIDA E	RHYACOPHILA	1	IL EPA	Predator	USEPA 1990 Draft		
RHYACOPHILA LOBIFERA	11513 5	ARTHROPOD A	INSECTA	TRICHOPTERA	RHYACOPHILIDA E	RHYACOPHILA	1	IL EPA				
RHYACOPHILA VIBOX	11514 2	ARTHROPOD A	INSECTA	TRICHOPTERA	RHYACOPHILIDA E	RHYACOPHILA	1	IL EPA				
SERICOSTOMATI DAE	11698 2	ARTHROPOD A	INSECTA	TRICHOPTERA	SERICOSTOMATI DAE		4	IL EPA	Shredder	Merritt and Cummins , 1996	Sprawler	Merritt and Cummins , 1996
AGARODES DISTINCTA	11698 4	ARTHROPOD A	INSECTA	TRICHOPTERA	SERICOSTOMATI DAE	AGARODES	4	IL EPA				
MOLLUSCA	69458	MOLLUSCA						IL EPA				
ANCYLIIDAE	76568	MOLLUSCA	GASTROPOD A	LIMNOPILA	ANCYLIIDAE		7	IL EPA	Scraper			
FERRISSIA RIVULARIS	76572	MOLLUSCA	GASTROPOD A	LIMNOPILA	ANCYLIIDAE	FERRISSIA	7	IL EPA	Scraper	RBP2 1999		
FERRISSIA	76569	MOLLUSCA	GASTROPOD A	LIMNOPILA	ANCYLIIDAE	FERRISSIA	7	IL EPA	Scraper	Arizona DEQ		
LAEVAPEX DIAPHANUS	76578	MOLLUSCA	GASTROPOD A	LIMNOPILA	ANCYLIIDAE	LAEVAPEX	6	IL EPA	Scraper	RBP2 1999		
LAEVAPEX	76576	MOLLUSCA	GASTROPOD A	LIMNOPILA	ANCYLIIDAE	LAEVAPEX	6	IL EPA	Scraper			
LAEVAPEX FUSCUS	76577	MOLLUSCA	GASTROPOD A	LIMNOPILA	ANCYLIIDAE	LAEVAPEX	6	IL EPA	Scraper	RBP2 1999		
LYMNAEIDAE	76483	MOLLUSCA	GASTROPOD	LIMNOPILA	LYMNAEIDAE		7	IL EPA	Scraper	Arizona		

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			A							DEQ		
ACELLA	76530	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	ACELLA	7	IL EPA				
FOSSARIA	76497	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	FOSSARIA	7	IL EPA	Scraper			
LYMNAEA	76484	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	LYMNAEA	7	IL EPA	Scraper			
PSEUDOSUCCINE A COLUMELLA	76529	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	PSEUDOSUCCINEA	7	IL EPA	Scraper	RBP2 1999		
PSEUDOSUCCINE A	76528	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	PSEUDOSUCCINEA	7	IL EPA	Scraper			
STAGNICOLA	76534	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	STAGNICOLA	7	IL EPA	Scraper			
STAGNICOLA EMARGINATUS	76546	MOLLUSCA	GASTROPOD A	LIMNOPILA	LYMNAEIDAE	STAGNICOLA	7	IL EPA				
PHYSIDAE	76676	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE		9	IL EPA	Scraper			
APLEXA	76695	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE	APLEXA	7	IL EPA				
PHYSA INTEGRA	76683	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE	PHYSA	9	IL EPA	Collector	USEPA 1990 Draft		
PHYSA	76677	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE	PHYSA	9	IL EPA	Scraper			
PHYSA ACUTA	76700	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE	PHYSA	9	IL EPA				
PHYSELLA SAYI	76711	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE	PHYSELLA	9	IL EPA				
PHYSELLA	76698	MOLLUSCA	GASTROPOD A	LIMNOPILA	PHYSIDAE	PHYSELLA	9	IL EPA	Scraper	Arizona DEQ		
PLANORBIDAEE	76591	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE		6	IL EPA	Scraper	Arizona DEQ		
GYRAULUS	76592	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	GYRAULUS	6	IL EPA	Scraper	Arizona DEQ		
HELISOMA	76599	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	HELISOMA	7	IL EPA	Scraper			
MENETUS	76626	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	MENETUS	6	IL EPA	Scraper	USEPA, 1990		
PLANORBELLA TRUNCATA	76672	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	PLANORBELLA	6	IL EPA				
PLANORBELLA	76654	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	PLANORBELLA	6	IL EPA	Scraper			
PLANORBULA	76629	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	PLANORBULA	7	IL EPA	Scraper	USEPA, 1990		
PROMENETUS	76621	MOLLUSCA	GASTROPOD A	LIMNOPILA	PLANORBIDAEE	PROMENETUS	6	IL EPA	Collector			
BITHYNIIIDAE	70745	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	BITHYNIIIDAE		6	IL EPA				

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BITHYNIA	70793	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	BITHYNIIDAE	BITHYNIA	6	IL EPA				
HYDROBIIDAE	70493	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE		6	IL EPA	Scraper	Arizona DEQ		
AMNICOLA WALKERI	70751	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	AMNICOLA	4	IL EPA				
AMNICOLA	70747	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	AMNICOLA	4	IL EPA	Scraper			
CINCINNATIA	70509	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	CINCINNATIA	6	IL EPA	Scraper			
MARSTONIA	70533	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	MARSTONIA	6	IL EPA				
PROBYTHINELLA	70505	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	PROBYTHINELLA	6	IL EPA				
PYRGULOPSIS	70658	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	PYRGULOPSIS	6	IL EPA	Scraper	USEPA, 1990		
SOMATOGYRUS	70548	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	HYDROBIIDAE	SOMATOGYRUS	6	IL EPA				
PLEUROCERIDAE	71541	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE		6	IL EPA				
ELIMIA	71654	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE	ELIMIA	6	IL EPA	Scraper			
GONIOBASIS	71542	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE	GONIOBASIS	5	IL EPA	Scraper	USEPA, 1990		
LEPTOXIS	71601	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE	LEPTOXIS	6	IL EPA				
LITHASIA	71879	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE	LITHASIA	6	IL EPA				
PLEUROCERA ACUTA	71550	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE	PLEUROCERA	7	IL EPA	Scraper	USEPA 1990 Draft		
PLEUROCERA	71549	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	PLEUROCERIDAE	PLEUROCERA	7	IL EPA	Scraper	USEPA, 1990		
POMATIOPSIDAE	70491	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	POMATIOPSIDAE		6	IL EPA				
POMATIOPSIS	70736	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	POMATIOPSIDAE	POMATIOPSIS	6	IL EPA				
VALVATIDAE	70345	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	VALVATIDAE		6	IL EPA	Scraper			
VALVATA	70346	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	VALVATIDAE	VALVATA	2	IL EPA	Scraper	Arizona DEQ		
VIVIPARIDAE	70304	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	VIVIPARIDAE		6	IL EPA	Scraper			
CAMPELOMA	70311	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	VIVIPARIDAE	CAMPELOMA	7	IL EPA	Scraper			
LIOPLAX	70333	MOLLUSCA	GASTROPOD A	MESOGASTROPODA	VIVIPARIDAE	LIOPLAX	7	IL EPA	Scraper	USEPA, 1990		
VIVIPARUS	70305	MOLLUSCA	GASTROPOD	MESOGASTROPODA	VIVIPARIDAE	VIVIPARUS	1	IL EPA	Scraper			

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			A									
GASTROPODA	69459	MOLLUSCA	GASTROPOD A	PHARYNGODELLIDA			6	IL EPA	Scraper			
PELECYPODA	79119	MOLLUSCA	PELECYPOD A	UNIONOIDA			2	IL EPA	Filterer			
UNIONIDAE	79913	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE		2	IL EPA	Filterer			
ACTINONAIAS	80187	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ACTINONAIAS	2	IL EPA				
ACTINONAIAS CARINATA	80188	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ACTINONAIAS	1	IL EPA				
ACTINONAIAS ELLIPSIFORMIS	80191	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ACTINONAIAS	2	IL EPA				
ACTINONAIAS LIGAMENTINA	80193	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ACTINONAIAS	2	IL EPA				
ALASMIDONTA TRIANGULATA	79925	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ALASMIDONTA	2	IL EPA				
ALASMIDONTA	79915	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ALASMIDONTA	2	IL EPA	Filterer	USEPA, 1990		
ALASMIDONTA CALCEOLUS	79922	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ALASMIDONTA	2	IL EPA				
ALASMIDONTA MARGINATA	79918	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ALASMIDONTA	1	IL EPA				
AMBLEMA	80034	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	AMBLEMA	2	IL EPA				
AMBLEMA PLICATA	80035	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	AMBLEMA	2	IL EPA				
ANODONTA	79930	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ANODONTA	3	IL EPA	Filterer			
ANODONTA GRANDIS	79936	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ANODONTA	3	IL EPA				
ANODONTA IMBECILIS		MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ANODONTA	3	IL EPA				
ANODONTA SUBORBICULATA	79945	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ANODONTA	3	IL EPA				
ANODONTOIDES	80147	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ANODONTOIDES	2	IL EPA	Filterer	USEPA, 1990		
ANODONTOIDES FERUSSACIANUS	80148	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ANODONTOIDES	2	IL EPA				
ARCIDENS CONFRAGOSUS	80239	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ARCIDENS	2	IL EPA				
ARCIDENS	80238	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ARCIDENS	2	IL EPA	Filterer	USEPA, 1990		
CYCLONAIAS	80084	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	CYCLONAIAS	2	IL EPA				
CYCLONAIAS TUBERCULATA	80085	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	CYCLONAIAS	2	IL EPA				

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CYPROGENIA	80272	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	CYPROGENIA	2	IL EPA				
CYPROGENIA IRRORATA	80274	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	CYPROGENIA	2	IL EPA				
PLAGIOLA LINEOLATA	80251	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ELLIPSARIA	2	IL EPA				
ELLIPTIO DILATATA	79953	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ELLIPTIO	2	IL EPA				
ELLIPTIO CRASSIDENS	79958	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ELLIPTIO	2	IL EPA				
ELLIPTIO	79951	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	ELLIPTIO	2	IL EPA	Filterer	USEPA, 1990		
DYSNOMIA	80221	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	EPIOBLASMA	2	IL EPA				
DYSNOMIA TRIQUETRA	80346	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	EPIOBLASMA	2	IL EPA				
FUSCONAIA	80040	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	FUSCONAIA	1	IL EPA				
FUSCONAIA FLAVA	80041	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	FUSCONAIA	1	IL EPA				
FUSCONAIA EBENA	80046	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	FUSCONAIA	1	IL EPA				
LAMPSILIS HIGGINSI		MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA				
LAMPSILIS	79986	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA	Filterer	USEPA, 1990		
LAMPSILIS TERES	80006	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA	Filterer	RBP2 1999		
LAMPSILIS FASCIOLA	79992	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA				
LAMPSILIS RADIATA	79994	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA				
LAMPSILIS VENTRICOSA	79989	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA				
LAMPSILIS ORBICULATA	80005	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LAMPSILIS	1	IL EPA				
LASMIGONA COSTATA	80139	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LASMIGONA	2	IL EPA				
LASMIGONA COMPRESSA	80138	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LASMIGONA	2	IL EPA				
LASMIGONA	80134	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LASMIGONA	2	IL EPA				
LASMIGONA COMPLANATA	80135	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LASMIGONA	2	IL EPA				
LEPTODEA	80181	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LEPTODEA	2	IL EPA	Filterer	USEPA, 1990		
LEPTODEA FRAGILIS	80182	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LEPTODEA	2	IL EPA				

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
LIGUMIA	80194	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LIGUMIA	1	IL EPA	Filterer	USEPA, 1990		
LIGUMIA RECTA	80196	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LIGUMIA	1	IL EPA				
LIGUMIA SUBROSTRATA	80199	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	LIGUMIA	1	IL EPA				
MEGALONAIAS	80278	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	MEGALONAIAS	2	IL EPA				
MEGALONAIAS NERVOSA	80279	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	MEGALONAIAS	2	IL EPA				
OBliquaria	80163	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	OBliquaria	1	IL EPA				
OBliquaria REFLEXA	80164	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	OBliquaria	1	IL EPA				
OBOVARIA	80172	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	OBOVARIA	2	IL EPA				
OBOVARIA OLIVARIA	80173	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	OBOVARIA	2	IL EPA				
OBOVARIA SUBROTUNDA	80174	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	OBOVARIA	2	IL EPA				
PLETHOBASUS	80226	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	PLETHOBASUS	2	IL EPA				
PLETHOBASUS CYPHUS	80229	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	PLETHOBASUS	2	IL EPA				
PLEUROBEMA	80086	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	PLEUROBEMA	2	IL EPA				
PLEUROBEMA CORDATUM	80094	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	PLEUROBEMA	2	IL EPA				
PROPTERA CAPAX	80285	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	POTAMILUS	1	IL EPA				
PROPTERA LAEVISSIMUS	80171	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	POTAMILUS	1	IL EPA				
PROPTERA ALATA	80283	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	POTAMILUS	1	IL EPA				
PROPTERA	80170	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	POTAMILUS	1	IL EPA				
PTYCHOBRANCHUS FASCIOLARIS	80158	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	PTYCHOBRANCHUS	2	IL EPA				
PTYCHOBRANCHUS	80157	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	PTYCHOBRANCHUS	2	IL EPA				
QUADRULA	80059	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	QUADRULA	2	IL EPA				
QUADRULA CYCLINDRICA		MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	QUADRULA	2	IL EPA				
QUADRULA METANERVA		MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	QUADRULA	2	IL EPA				
QUADRULA NODULATA	80072	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	QUADRULA	2	IL EPA				

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QUADRULA PUSTULOSA	80062	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	QUADRULA	2	IL EPA				
QUADRULA QUADRULA	80060	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	QUADRULA	2	IL EPA				
STROPHITUS	80150	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	STROPHITUS	4	IL EPA				
STROPHITUS UNDULATUS	80151	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	STROPHITUS	4	IL EPA				
CARUNCULINA	80359	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TOXOLASMA	7	IL EPA	Filterer	USEPA, 1990		
CARUNCULINA PARVA	80365	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TOXOLASMA	7	IL EPA				
TOXOLASMA TEXASENSIS	80369	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TOXOLASMA	7	IL EPA				
TRITOGONIA VERRUCOSA	80293	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TRITOGONIA	1	IL EPA				
TRITOGONIA	80291	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TRITOGONIA	1	IL EPA				
TRUNCILLA DONACIFORMIS	80166	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TRUNCILLA	1	IL EPA				
TRUNCILLA TRUNCATA	80167	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TRUNCILLA	1	IL EPA				
TRUNCILLA	80165	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	TRUNCILLA	1	IL EPA				
UNIOMERUS	80232	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	UNIOMERUS	2	IL EPA				
UNIOMERUS TETRALASMUS	80233	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	UNIOMERUS	2	IL EPA				
VILLOSA	80200	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	VILLOSA	1	IL EPA				
VILLOSA IRIS	80202	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	VILLOSA	1	IL EPA				
VILLOSA LIENOSA	80208	MOLLUSCA	PELECYPOD A	UNIONOIDA	UNIONIDAE	VILLOSA	1	IL EPA				
CORBICULA	81385	MOLLUSCA	PELECYPOD A	VENERIODA	CORBICULIDAE	CORBICULA	4	IL EPA	Filterer	Arizona DEQ		
DREISSENA POLYMORPHA	81339	MOLLUSCA	PELECYPOD A	VENERIODA	DREISSENIDAE	DREISSENA		IL EPA				
SPHAERIIDAE	81390	MOLLUSCA	PELECYPOD A	VENERIODA	SPHAERIIDAE		5	IL EPA	Filterer	Arizona DEQ		
MUSCULIUM TRANSVERSUM	81428	MOLLUSCA	PELECYPOD A	VENERIODA	SPHAERIIDAE	MUSCULIUM	5	IL EPA	Filterer	USEPA 1990 Draft		
MUSCULIUM	81427	MOLLUSCA	PELECYPOD A	VENERIODA	SPHAERIIDAE	MUSCULIUM	5	IL EPA	Filterer			
PISIDIUM	81400	MOLLUSCA	PELECYPOD A	VENERIODA	SPHAERIIDAE	PISIDIUM	5	IL EPA	Filterer			
SPHAERIUM	81391	MOLLUSCA	PELECYPOD	VENERIODA	SPHAERIIDAE	SPHAERIUM	5	IL EPA	Collector			

Final ID	TSN	Phylum	Class	Order	Family	Genus	T V	TV Source	FFG	FFG Source	Habit	Habit Source
			A									
NEMATOMORPHA	64183	NEMATOMO RPHA						IL EPA	Parasite	Arizona DEQ		
GORDIUS	64228	NEMATOMO RPHA	GORDIOIDA	UNKNOWN	GORDIIDAE	GORDIUS		IL EPA				
PLATYHELMINTHES	53963	PLATYHELMI NTHES					6	IL EPA				
TURBELLARIA	53964	PLATYHELMI NTHES	TURBELLARI A				6	IL EPA	Predator	Arizona DEQ		
TRICLADIDA	54468	PLATYHELMI NTHES	TURBELLARI A	TRICLADIDA			6	IL EPA	Collector			
PLANARIIDAE	54502	PLATYHELMI NTHES	TURBELLARI A	TRICLADIDA	PLANARIIDAE		6	IL EPA		RBP2 1999		
DUGESIA TIGRINA	54504	PLATYHELMI NTHES	TURBELLARI A	TRICLADIDA	PLANARIIDAE	DUGESIA	6	IL EPA	Predator	RBP2 1999		
DUGESIA	54503	PLATYHELMI NTHES	TURBELLARI A	TRICLADIDA	PLANARIIDAE	DUGESIA	6	IL EPA		RBP2 1999		
PLANARIA	54528	PLATYHELMI NTHES	TURBELLARI A	TRICLADIDA	PLANARIIDAE	PLANARIA	6	IL EPA				